

THE ARCHITECT & BUILDING NEWS

26 APRIL 1956 · VOL 209 · NO. 17 · ONE SHILLING WEEKLY

- HEALTH CENTRE, HARLOW
- COTTAGES, WINDSOR
- CURRENT MARKET PRICES
AND MEASURED RATES

PUBLISHED IN LONDON SINCE 1854

WHERE SIMPLE OR COMPLICATED SCHEMES OF VENTILATION ARE INSTALLED, AND THE OPERATION IS REQUIRED, BY REMOTE CONTROL OR OTHERWISE, AND THE WINDOWS HAVE ANY OF THE FOLLOWING CHARACTERISTICS :—

- OPENING OUTWARDS
- OPENING INWARDS
- TOP HUNG
- HORIZONTAL CENTRE-HUNG
- BOTTOM HUNG
- VERTICAL PIVOT HUNG
- SIDE HUNG
- HORIZONTAL SLIDING
- VERTICAL SLIDING



The illustration shows One Set of Electrically operated Twin Tension Rod Gear with Counter-Balance Unit operating one continuous opening light, 74' 0" long x 5' 0" deep. Note the Spiral Balance Wheel fitted at the end Sprocket.

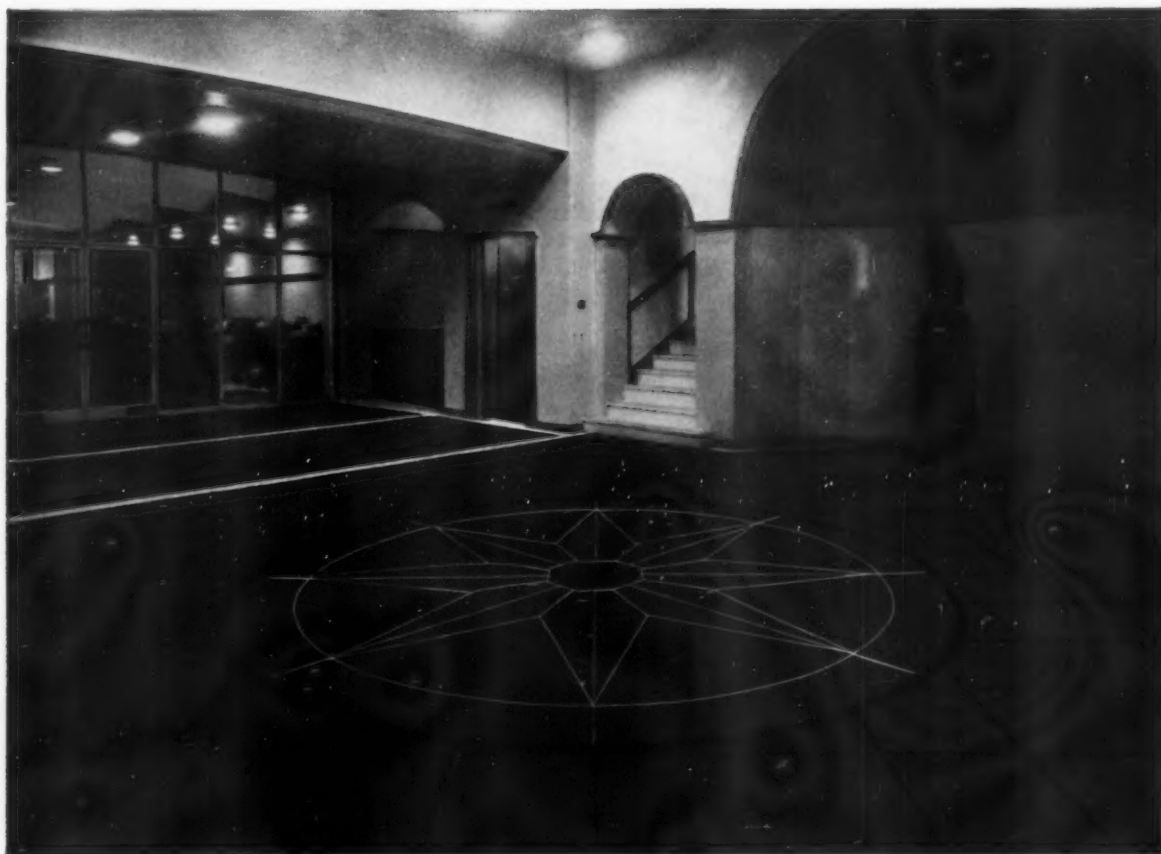
Always Specify

WINDOW OPENING GEAR *for*
SKYLIGHTS, LANTERN LIGHTS, CLERESTORY LIGHTS, FANLIGHTS, SIDE WALL
LIGHTS IN WOOD OR METAL WINDOWS, OR IN PATENT GLAZING, ROOF LIGHTS
AND BENCH LIGHTS IN GREENHOUSES, DAMPERS, TRAP DOORS, SHIPS SKYLIGHTS, ETC.
HAND - OPERATED - ELECTRIC - HYDRAULIC - REMOTE CONTROL
by **WILLIAM NEWMAN & SONS LTD.**

HOSPITAL STREET, BIRMINGHAM
GEARING DEPT. BRANCH WORKS 3, WELLHEAD LANE, PERRY BARR, BIRMINGHAM

Barry's Heavy Ruboleum

MONARCH OF THE LINOLEUM WORLD SINCE 1907



ADAM HOUSE, EDINBURGH UNIVERSITY

Architects :

Rowand, Anderson, Kininmonth and Paul

Contractors :

Kirkald Decorative Floors

HEAVY RUBOLEUM is a superfine linoleum 6.70 mm. thick (approx. $\frac{1}{4}$ "), was first produced by us in 1907, and still holds its position of the highest merit as a floorcovering because of its properties of hygiene, resilience, durability and decorative colourings.

HEAVY RUBOLEUM is produced in 35 beautiful and popular colours, plain and marble effects.

HEAVY RUBOLEUM is especially produced for use on Ship decks and Public buildings. It is available through high-class retail Furnishers and Contract Flooring Specialists.

HEAVY RUBOLEUM is the solution to your flooring problems

SAMPLES ON APPLICATION TO THE EXCLUSIVE MANUFACTURERS

BARRY, OSTLERE & SHEPHERD, LTD.
KIRKCALDY • SCOTLAND

C A N A D I A N

Spruce

A Canadian wood, creamy white in colour and sometimes tinged with red, that has a wide range of uses.

TYPICAL USES

Light and medium construction, agricultural implements, windows and doors, shelves and general carpentry

Scaffolding, ladders, kitchen furniture

Wagon boxes, concrete forms, pumps, tanks and silos

Oars and paddles, organ pipes, sounding boards for musical instruments

Pulp and paper, rayon pulp and cellophane

Food containers, butter and cheese boxes, cooperage

SPECIAL ADVANTAGES

Strong for its weight, yet comparatively soft and very resilient

Seasons readily and uniformly

Easily worked, takes smooth satiny finish

Takes paints, varnishes and enamels well

Minimizes "wood tainting" in packaging of foods, butter, etc.

Takes nails without splitting and holds them well

FOR FURTHER INFORMATION concerning Canadian woods contact The Commercial Counsellor (Timber), Canada House, Trafalgar Square, London, S.W.1.



WOOD IS NATURE'S BEST BUILDING MATERIAL

Reproduced here is figure of Canadian Spruce.

This advertisement is one of a series featuring Canadian Douglas Fir, Red Pine, White Pine, Western Red Cedar and Pacific Coast Hemlock.



PERMANITE 'ASBEX'

NON-PERISHABLE
DAMPCOURSE

**the materials
in 'ASBEX' have
stood the test
of time . . .**

Materials that have stood the test of time are still the best for building purposes . . . Bitumen and Asbestos . . . as old as the hills and as enduring . . . are scientifically combined in 'ASBEX' to form an imperishable, impenetrable dampcourse that moisture cannot harm in any way. Specify 'ASBEX'—as do Architects, Government Departments and Local Authorities—and know that your dampcourses will stand up to settlement and vibration and effectively resist deteriorating influences.

'ASBEX' asbestos dampcourse is also available incorporating a lead lining in compliance with B.S.743/1951, type 5F.

Supplied in rolls 24 feet in length and cut to any required width.

Please send for our "Asbex" leaflet.

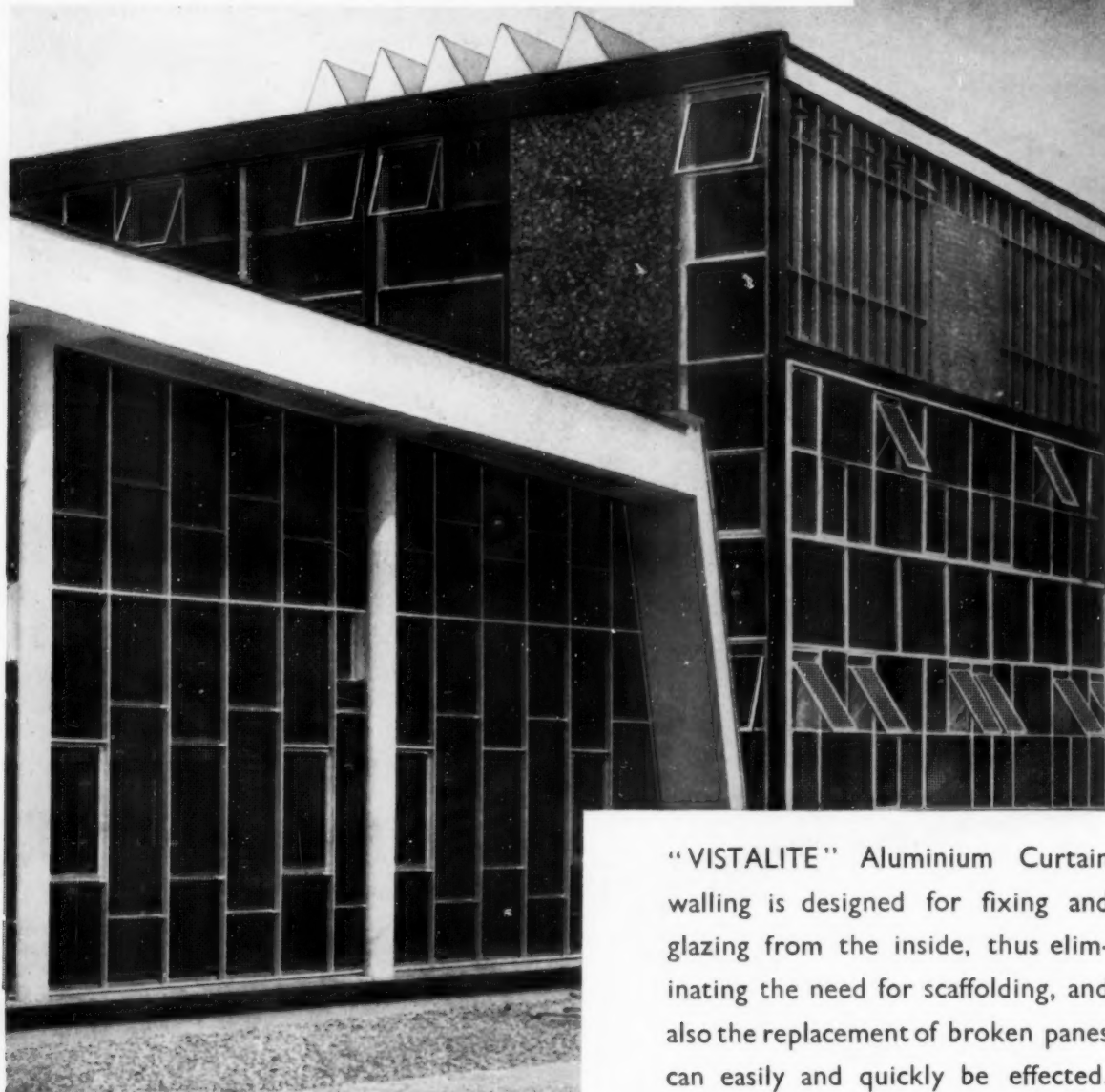


PERMANITE LIMITED

455 OLD FORD ROAD LONDON E 3

Telephone : ADVance 4477 (11 lines) Est. 1909

'VISTALITE'



Curtain Walling at Holloway County School Extension

Architect: Dr. J. L. Martin, M.A., Ph.D., F.R.I.B.A.,
Architect to the London County Council, County Hall,
Westminster Bridge, London, S.E.1.

*Please write for illustrated leaflet
to Group Sales Office*

"VISTALITE" Aluminium Curtain walling is designed for fixing and glazing from the inside, thus eliminating the need for scaffolding, and also the replacement of broken panes can easily and quickly be effected.

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BRITISH STEEL CONSTRUCTIONS GROUP OF COMPANIES

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SLIDING DOOR GEAR

FOR THE WORLD'S BEST

Specify

ELLARD



Much valuable space can be secured by the appropriate use of sliding doors in the modern dwelling house. The busy housewife will find her work considerably reduced by having easy access from room to room, as can be seen by the illustration at left. The awkward manoeuvring when "getting around" with cleaning equipment, or at meal times, is entirely removed by the use of sliding doors. In addition, free and complete ventilation of all rooms can be quickly obtained giving a general feeling of light and airiness at all times. There are other advantages which will readily occur to discriminating architects. The all-round efficiency of sliding doors can only be maintained by using first-class door gear. Specify ELLARD "Estate" Sliding Door Gear—it is the best of its kind, competitive in price, smooth and trouble-free in action. ELLARD Door Gear is used on most large housing estates.

Easy access to and from the garage, and unobstructed working space, are valuable assets to the motorist. The illustration at right shows a typical example of ELLARD "Radial" Sliding Door Gear as supplied to numerous private and housing estate garages throughout the country. ELLARD "Estate" and "Radial" Sliding Door Gears can be readily obtained from your nearest ironmonger or merchant.



CLARKE ELLARD ENGINEERING COMPANY LTD.
WORKS ROAD : LETCHWORTH : HERTFORDSHIRE : TELEPHONE 613/4

BMI

B

Important Revisions of British Standards for Lead Pipe

Many permissible minimum weights greatly reduced

The new standards permit the use
of much lighter weight Lead pipes
for low pressure hot and cold water
distribution in buildings.

For this use,
the new permissible minimum weights
of $\frac{1}{2}$ " , $\frac{3}{4}$ " , 1" and $1\frac{1}{4}$ " bore B.S. 602 pipe
show an average saving of

38%

Tables incorporating the new British Standards for Lead pipe to
B.S.602 and B.S.1085 have been prepared and are available in a revised
edition of "CONCISE INFORMATION ON LEAD PIPE" free on request.



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In association with LEAD DEVELOPMENT ASSOCIATION

EAGLE HOUSE · JERMYN STREET · LONDON · SW1

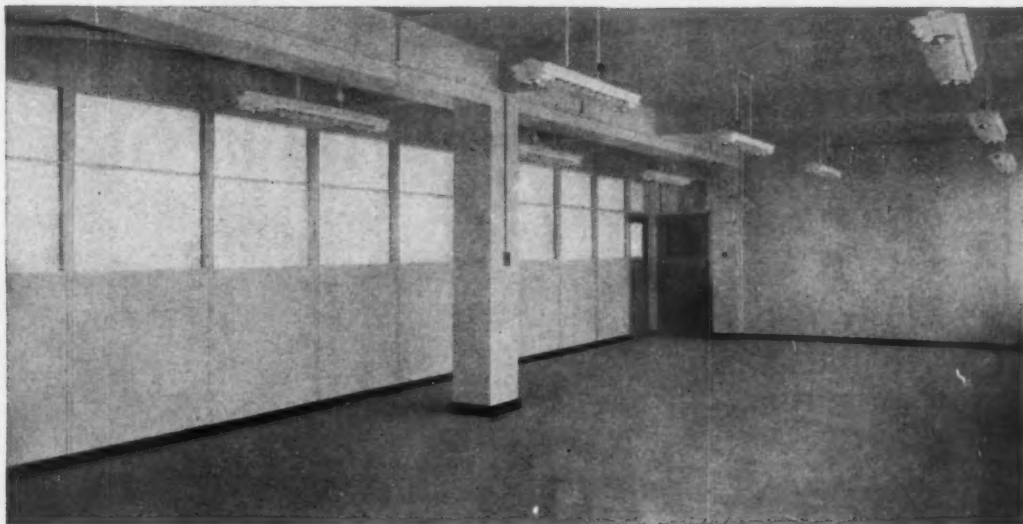
Telegrams: Ukleadman, Piccy, London

Telephone: Whitehall 4175

PLIMBERITE BUILDING BOARD

Size: 8 ft. x 4 ft.

Thicknesses: $\frac{1}{2}$ in. & $\frac{3}{4}$ in.



Office Partitioning for POWERS-SAMAS

The PLIMBERITE REBOND Partitioning System was installed by Compactom Limited of Oxgate Lane, Cricklewood, London, N.W.2, in the new Croydon offices of Powers-Samas Accounting Machines Limited.

The photograph shows typical construction with and without glazing. Working details for the construction of double-skin demountable partitions are given in the PLIMBERITE REBOND BOOKLET.

The PLIMBERITE Technical Brochure deals in detail with the methods of construction when using PLIMBERITE for

Wall lining
Single-skin partitioning
Double-skin partitioning
Flooring over joists
Flooring over a sub-floor

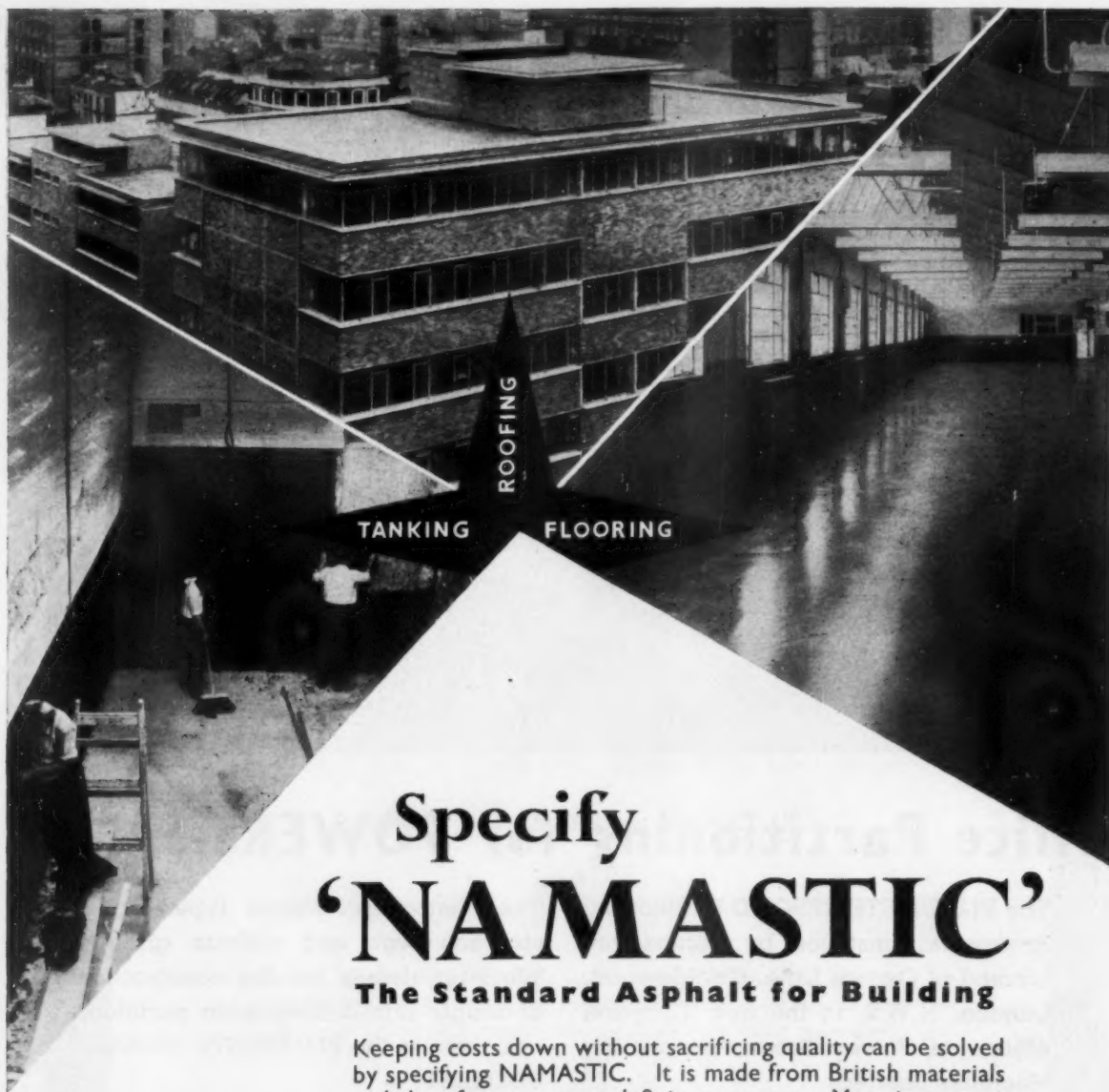
Roof decking, flat or pitched
Fitted cupboard work
Shopfitting
Furniture making
Concrete shuttering

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BRITISH PLIMBER LIMITED

19 Albert Embankment, London, S.E.11

PLIMBERITE BUILDING BOARD



Specify 'NAMASTIC'

The Standard Asphalt for Building

Keeping costs down without sacrificing quality can be solved by specifying NAMASTIC. It is made from British materials and therefore ensures a definite economy. More important still—it will produce results as highly satisfactory as those already achieved by the use of NAMASTIC for the many important contracts carried out over the past twenty years.

The Association has a nation-wide membership, made up of the following :—

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Bolton Stone Concrete &
Asphalt Co. Ltd.
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British & Natural Rock
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Cambridge Asphalte Co. Ltd.
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phalts Ltd.
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NATIONAL ASSOCIATION OF MASTER ASPHALTERS, 202 BISHOPSGATE, LONDON, E.C.2
Telephone: Avenue 8484 Established 1933

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ANTARCTIC

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No loss of time in checking and sorting

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due to prolonged storage on site •

A complete service of

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for all types of Reinforced Concrete

Construction.

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Telephone: Cardiff 28786

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we're changing a name on our family tree

From now on Lloyd Hardboard, Lloyd Insulation Board and
Lloyd Acoustic Panels will be known as Bowater Hardboard,
Bowater Insulation Board and Bowater Acoustic Panels.
The Lloyd Metal Fixing Systems, used with Insulation Board, will be
known as Bowater 'TALON' Fixing Systems.

the new name is

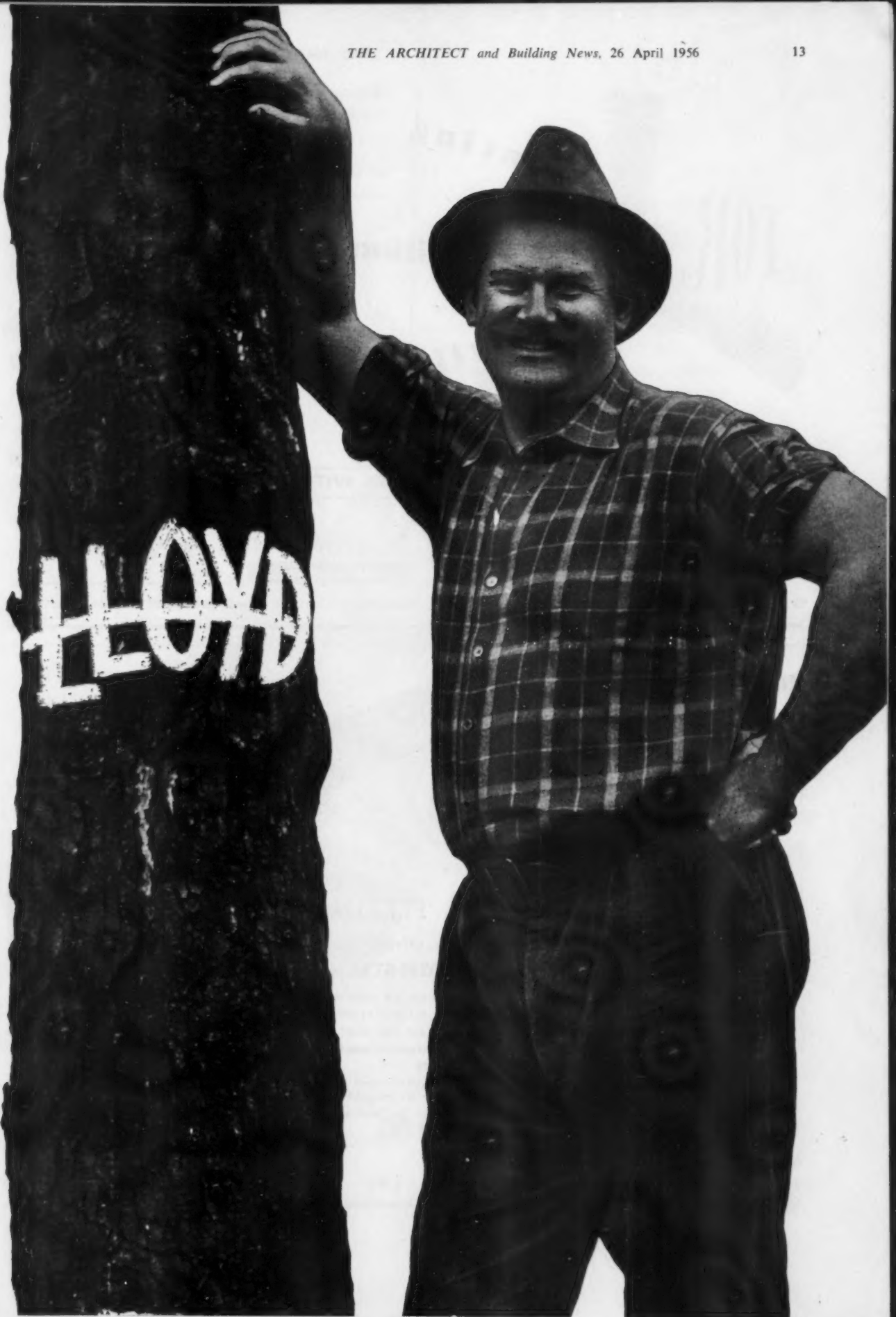
Bowater Board

HARDBOARD, INSULATION BOARD, ACOUSTIC PANELS, 'TALON' FIXING SYSTEMS

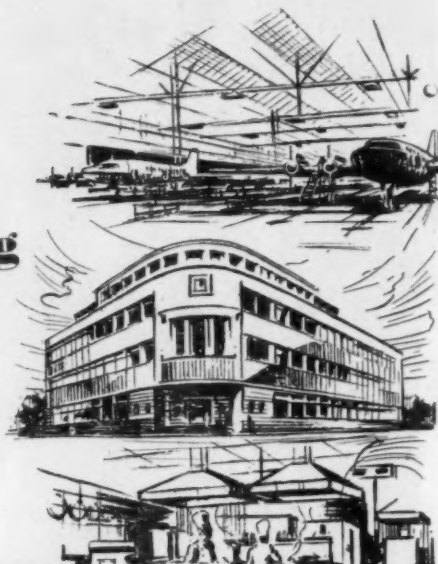
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Bowater House, Stratton Street, London, W.1. Telephone: MAYfair 8080





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Ventilation



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Consult :—

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here it is

the new

"Yorkshire"



PLASTRONGA FITTING

FOR JOINTING "POLYORC A" AND OTHER POLYTHENE TUBING

MADE FROM A NEW HIGH-STRENGTH POLYTHENE

- The Polythene from which PLASTRONGA Fittings are made is far stronger than normal type of Polythene—has superior physical properties and provides an ALL-POLYTHENE joint having excellent mechanical strength.
- PLASTRONGA Fittings are much lighter in weight than metal fittings.
- They require no wrapping or protection when pipelines are buried underground.
- No metal sleeve inserts are necessary in tube ends.
- Joints easily and quickly made by inserting specially flanged Polythene tube ends into body of fitting and screwing up the nuts. "Polyorc A" coils can now be supplied with one or both ends ready flanged.
- Like Polythene tubing, PLASTRONGA Fittings are non-toxic and non-contaminating; resist corrosive effects of acid waters, manures and fertilisers.

Full particulars from:—

THE YORKSHIRE COPPER WORKS LTD.

LEEDS & BARRHEAD

▶ All joints in duct, junction boxes and accessories are secured by driven taper pins ensuring positive earth continuity.

▶ Conduits may be connected to each duct within the floor screed and also to the corners of the junction boxes.

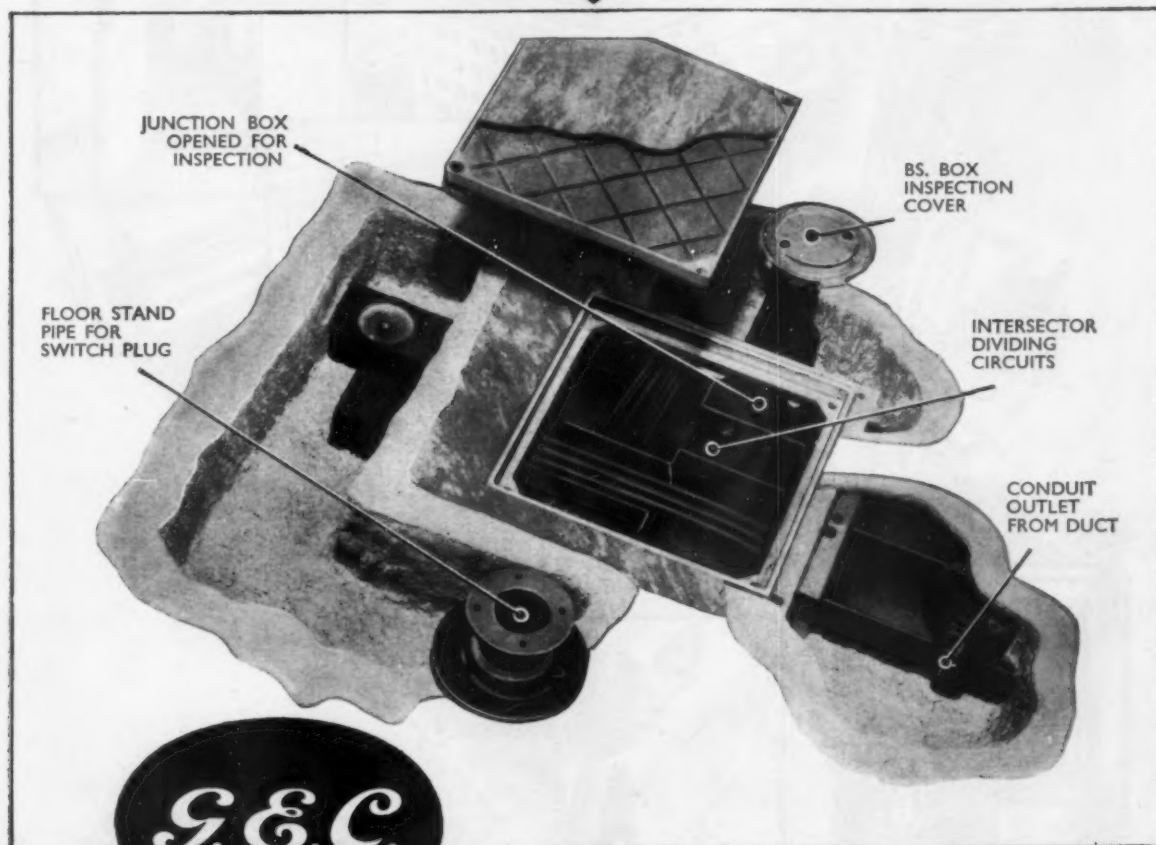
▶ Junction boxes are available in one, two, three or four-way types according to requirements.

▶ The minimum depths of the junction boxes from finished floor level to base are as follows:—

2½ in = 2½ in x 1½ in duct

2½ in = 2 in x 1½ in „

The most modern method of distribution for electrical services in offices and commercial buildings is the G.E.C. under-floor metal duct system. This system has been developed after long experience and collaboration with architects, consultants and contractors. The whole system can be planned in advance and provides complete flexibility, mechanical strength and earth continuity.



under-floor metal duct system

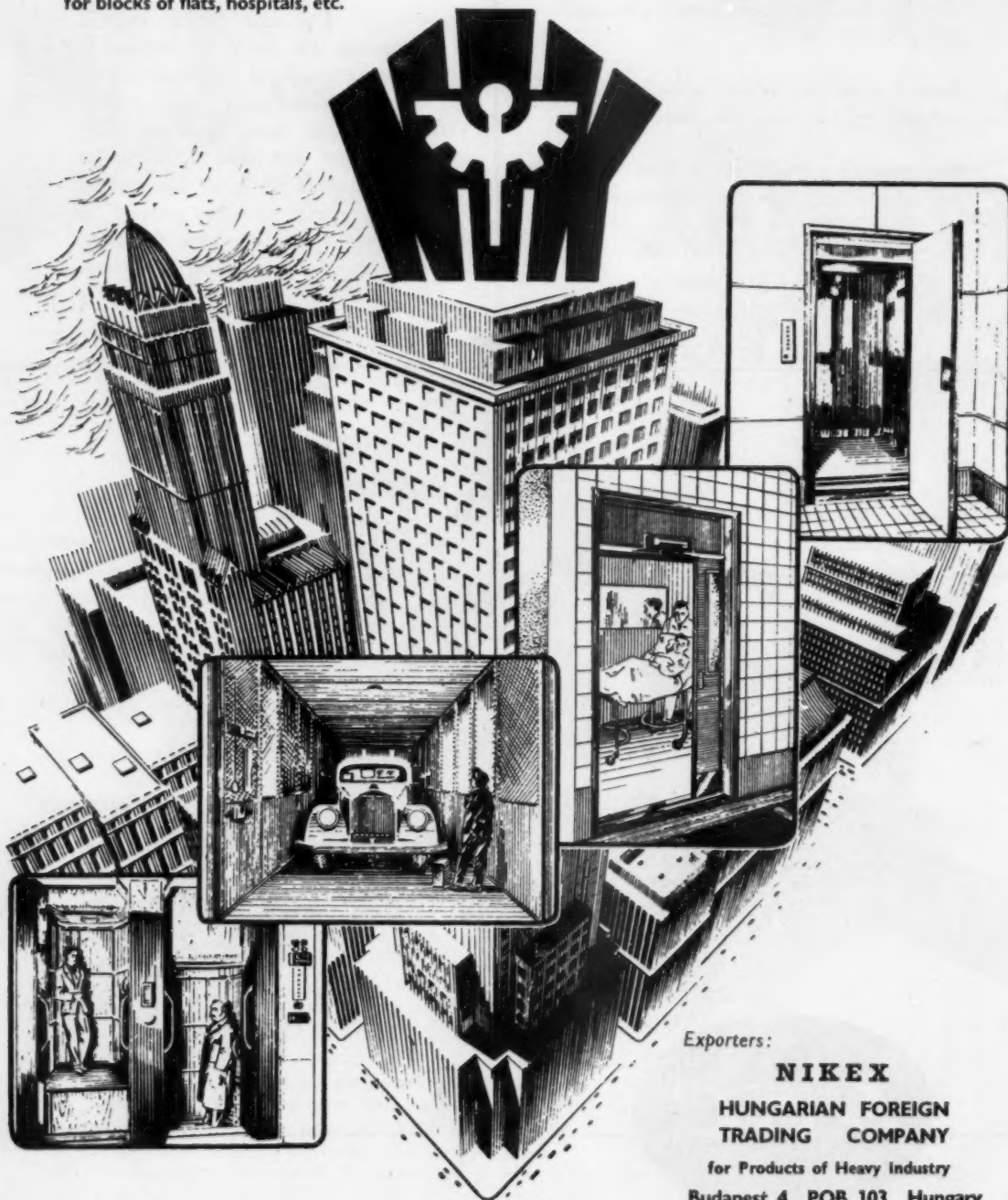
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ELECTRIC PASSENGER LIFTS

of various types
for 3 to 20 passengers
for blocks of flats, hospitals, etc.

FREIGHT LIFTS

from 20 cwts, to 4 tons Capacity
with or without attendant



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**HUNGARIAN FOREIGN
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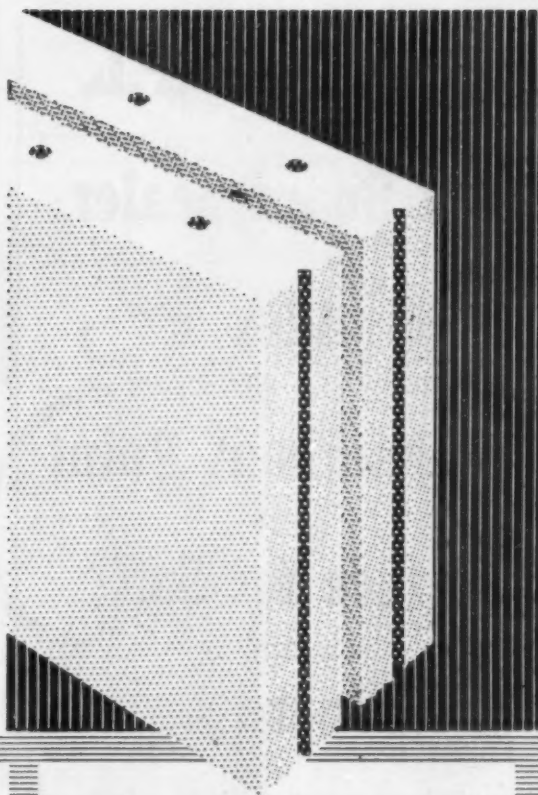
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Representatives for the U.K.

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Telephone: TRAfalgar 2721

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One Coat of B.P.L.

Fibre Board Sealer

provides a

Non-absorbent Paint

Surface for Soft

Board

To prevent the rapid absorption of gloss paints by soft board British Paints Limited in conjunction with Tentest Fibre Board Co. Ltd.,—has developed this new sealer. A single application provides a satisfactory surface for subsequent paint coats.

Where low cost or time saving are important a gloss finish can be obtained with a single coat of enamel, though the normal undercoat naturally improves the finish and gives increased durability to the paint system employed.

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B.P.L. Fibre Board Sealer can be mixed with either hot or cold water. A hot mix is quicker. It is always applied cold.

One gallon covers approximately 30 square yards.

Supplied in packets each containing approximately 1 lb.

Full details from the sole manufacturers.



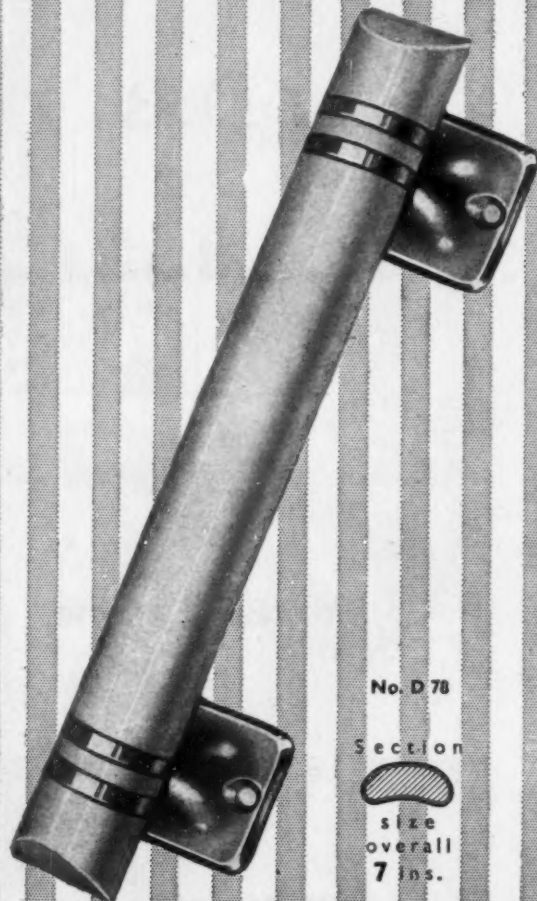
BRITISH PAINTS LIMITED

Portland Road, Newcastle upon Tyne

In conjunction with

Tentest Fibre Board Co. Ltd., 75, Crescent West, Hadley Wood, Barnet.

**A handle
to our name**



No. D 78

Section



size
overall
7 ins.

This beautiful door pull is a recent addition to the wide Locrinoid range. The bar itself is made of plastics and is available in various colours—black, ivory, green, walnut, peach and red.

Twin hands of chromed metal embellish the bar and match the strong, chromed fastening plate.

LACRINOID

TRADE MARK

LACRINOID PRODUCTS LIMITED

GIDEA PARK

ESSEX.

Tel: Hornchurch 2981. Telegrams: Locrinoid, Romford.

NU-SWIFT

*The world's fastest
and most reliable
fire extinguishers*



Complying with British Standard Code of Practice

(British Standard Code of Practice C.P. 402.401 (1951) is published on behalf of the Council for Codes of Practice for Buildings by the British Standards Institution.)

Universal (Royal Navy) Extinguisher Model 1301 for Class A fires
Air Foam Extinguisher Model 1400 - - - - - Class B fires

Approved by the Fire Offices Committee

Universal (Royal Navy) Extinguisher Model FOC Ref. No.
1301 for - - - - - Class A fires 104/6

Air Foam Extinguisher Model 1400 - - - - - Class B fires 104/3

Auto (CTC) Extinguisher Model 1003 - - - - - Class C fires 104/5

Auto (Chloro-flash) Extinguisher Model 2003 - - - - - Class B & C fires 104/7

All these models comply with British Standard specifications, where these exist. No British standards exist for chlorobromomethane extinguishers or double-action nozzles like that of the Universal extinguisher. But special FOC approval has been given to these Nu-Swift features because of their increased efficiency.

Accepted by the London County Council

Consent granted under Sec. 20 of the London Building Acts (Amendment) Act 1930.

All Nu-Swift extinguishers that are approved by the Fire Offices Committee.

Why Nu-Swift are better:

Nu-Swift extinguishers are the only ones on the market to combine these essential advantages.

Immediate action—

instant pressure-charge operation eliminates waiting for a chemical action to build up pressure.

Quicker recharging—

all 2-gallon Nu-Swift extinguishers can be recharged and back in use in 30 seconds.

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all Nu-Swift extinguishers are used in the commonsense upright position. There are distinctive colours for the models for different fire risks.

Greater reliability—

Nu-Swift pressure charges produce a pressure that is always exactly right for fire-fighting, never too great for safety. They will not leak, evaporate, or cause corrosion.

For extra safety in buildings new and old—specify Nu-Swift extinguishers

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‘CLEMBRO’ GALVANISED METAL WINDOWS

TRADE MARK

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Whether your interest is a housing estate, factory premises, hospital, school or hotel, **ATLAS PAINTS** will give you the kind of **decoration** that pleases and satisfies, plus real, lasting **protection** for the substance beneath. The range includes paints for wood, plaster, metal, wallboard and cement, and finishes from high gloss to matt.

Send for attractive shade-card and full particulars of—

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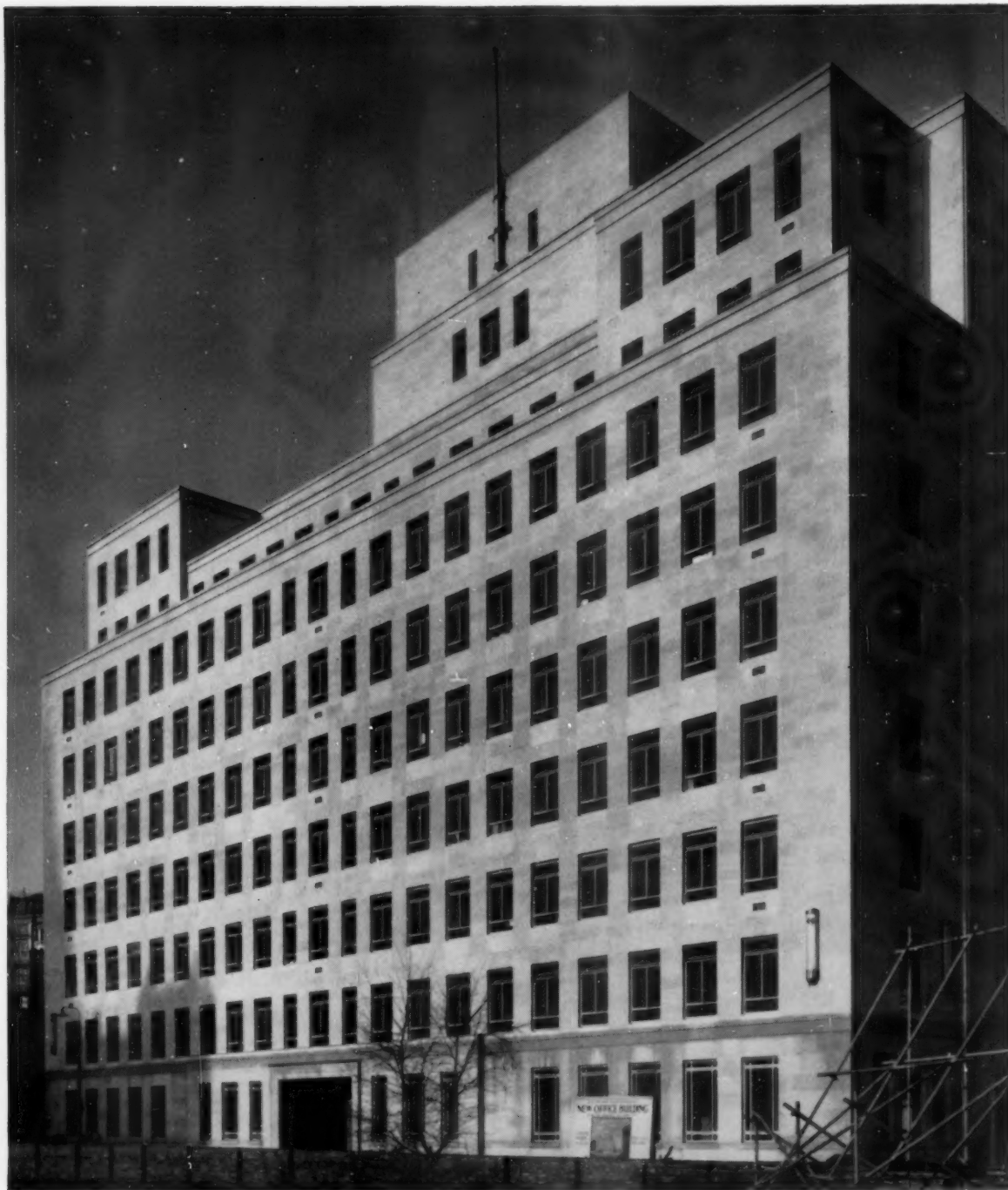
dependable

DECORATIVE FINISHES

ATLAS PRESERVATIVE CO. LTD., ERITH, KENT

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TAS/AS.172



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Architect: Arthur S. Ash Esq., F.R.I.B.A.

has been used in the building of Garrard House and Haberdashers Hall to the extent of 30,000 cubic feet

EMPIRE STONE COMPANY LIMITED

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*The brand name
that maintains
its high reputation*

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*Grades for all
purposes*



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"Murite" Plasters when set revert to Gypsum. This mineral contains 20% of combined water which must be driven off before dangerous temperatures can be reached. This water barrier is one of the reasons why "Murite" Gypsum Plasters have such excellent fire-resisting properties.



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"Murite" Plasters are simple to use. Scientific factory processing and a controlled set give superb working properties and allow ample time for first class results to be obtained.



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"Murite" Plasters have a greater covering capacity than other similar plasters. The undercoat grades also require less sand therefore they effect a considerable saving in use.



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"Murite" Plasters set completely within a few hours. If required, two coat work can be completed the same day and certain types of decoration can be started almost immediately without fear of failure.

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NEWARK-UPON-TRENT, NOTTS.

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TELEGRAMS: "CAFFERATA, NEWARK"





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Consider the scissors.
Universally accepted, and
used with confidence.

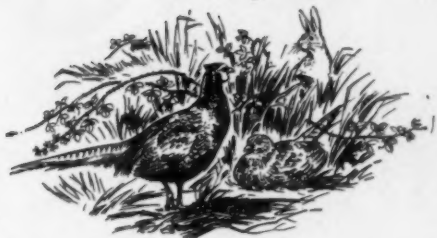
RAPID PRECAST FLOORS

are like that.
Time-tested and proved.
You just *know* from experience
they are
right for the job
and

you can rely on **RAPID**

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THE RAPID FLOOR COMPANY LIMITED, AFRICA HOUSE, KINGSWAY, LONDON, W.C.2. TELEPHONE : HOLBORN 3274

Brambles



provide cover for all kinds of game



SPORTS PAVILION, SIZE 40' x 25' & 40' x 25'
SUPPLIED FOR :—
WESTMINSTER HOSPITAL SPORTS GROUND.

OTHER TIMBER BUILDINGS
8' 10' 12' 15' 20' 25' & 30' WIDE.
FOR INDUSTRY AND COMMERCE,
HOSPITALS, SCHOOLS,
SOCIAL ACTIVITIES,
CANTEENS,
ETC.

THORNS BUILDINGS

provide cover for
ALL KINDS OF SPORT

PLEASE WRITE FOR CATALOGUE AND QUOTATION
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*Does the Best
necessarily cost
the most?*



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ELECTRICAL IMPULSE CLOCKS

These are known the world over for their accurate time-keeping. They have been installed by hundreds of large and industrial and commercial undertakings, Educational and Municipal Authorities throughout the world. Makers of fine clocks for over 60 years.

THE SYNCHRONOME COMPANY LIMITED

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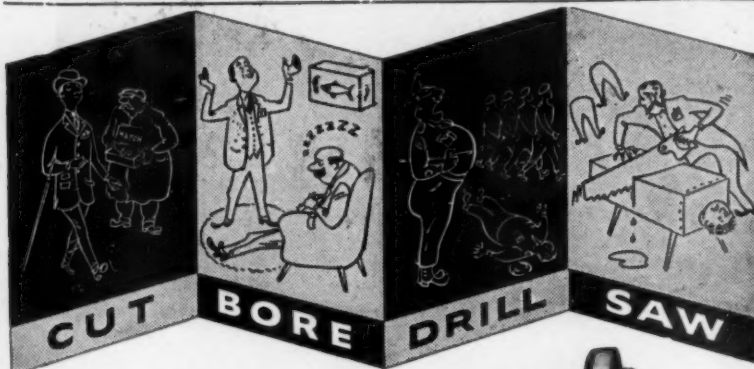
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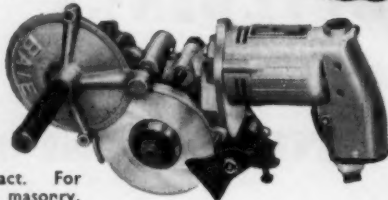
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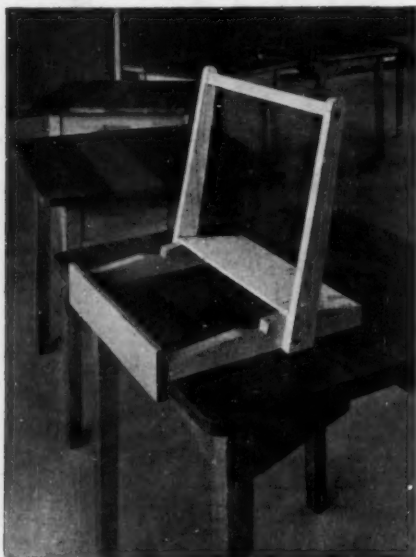
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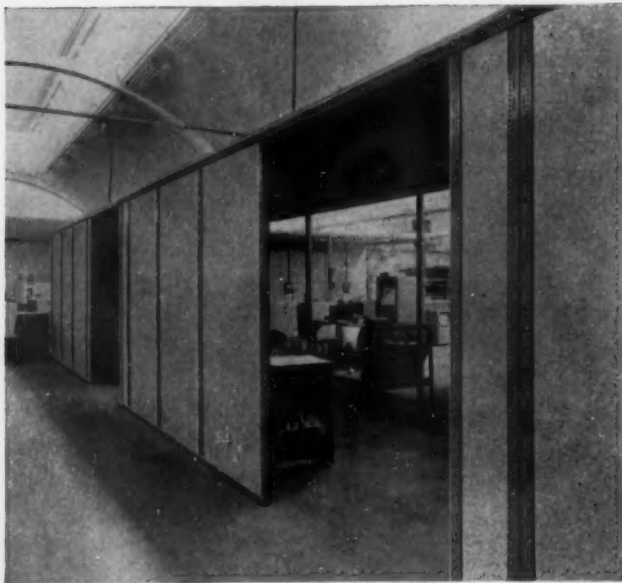
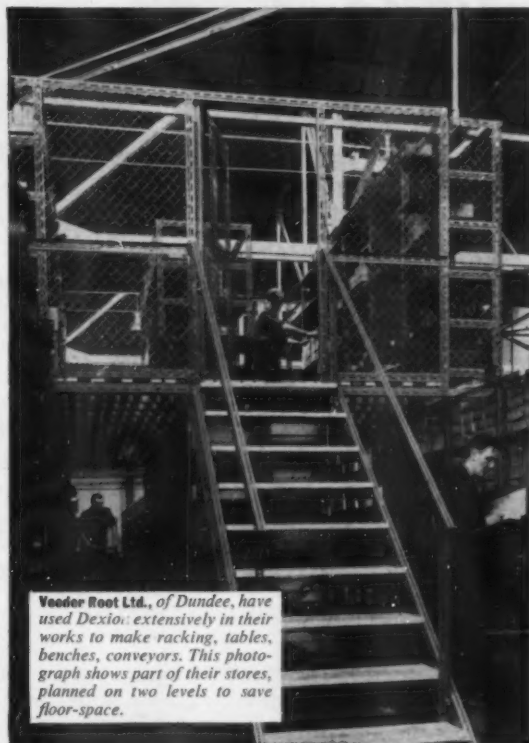
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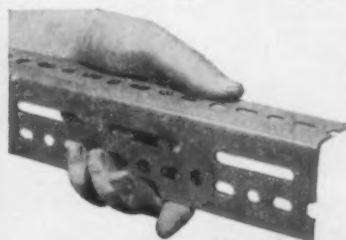
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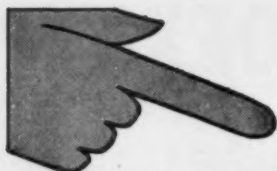
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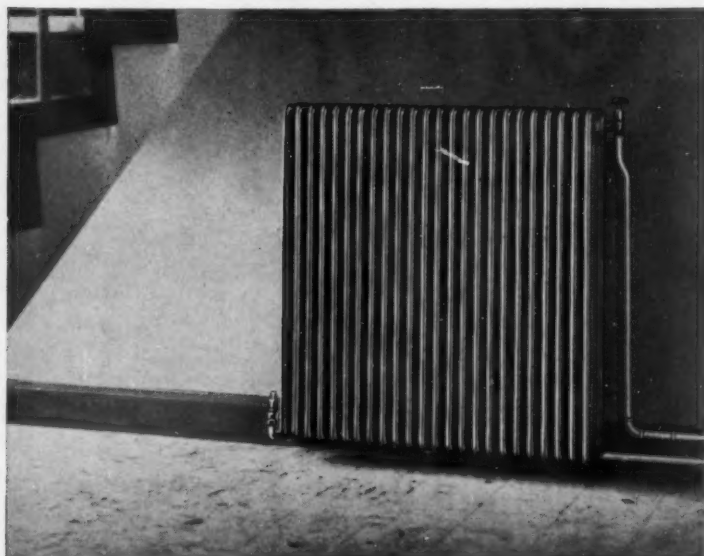
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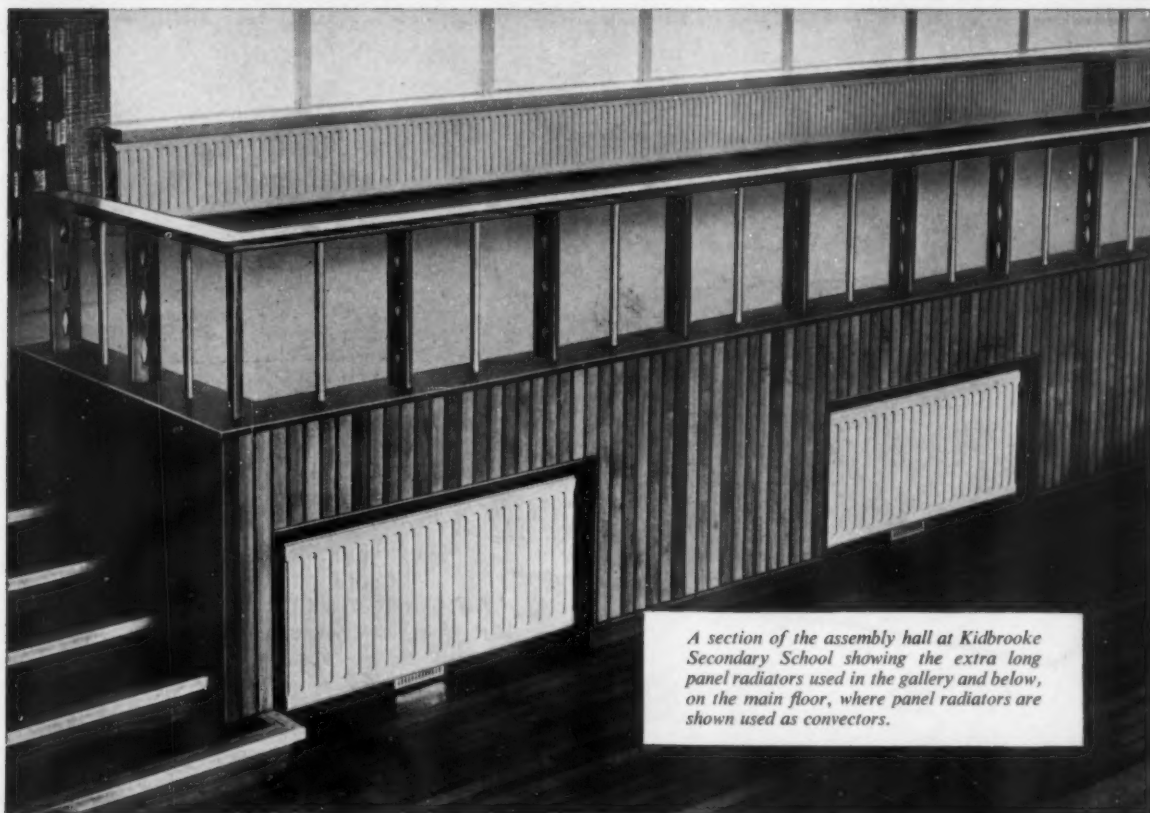
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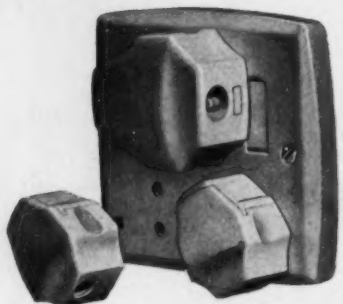
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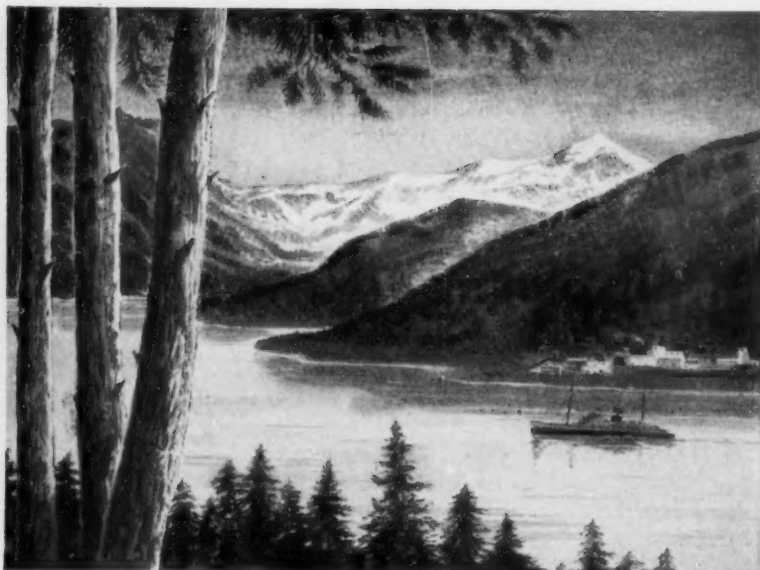
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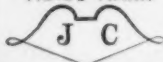
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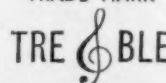
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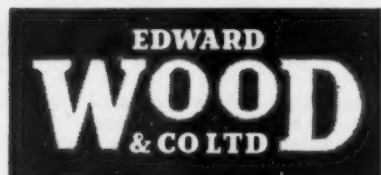


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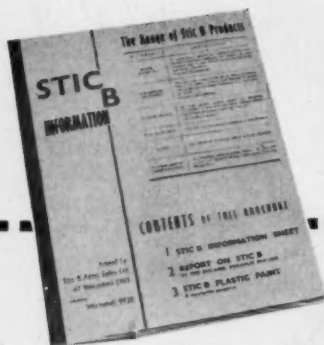


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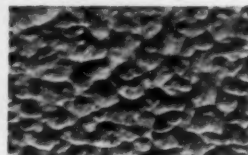
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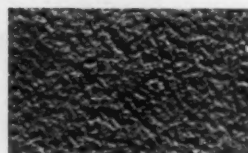
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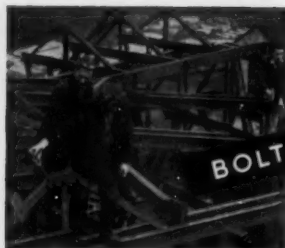
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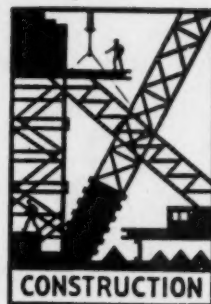


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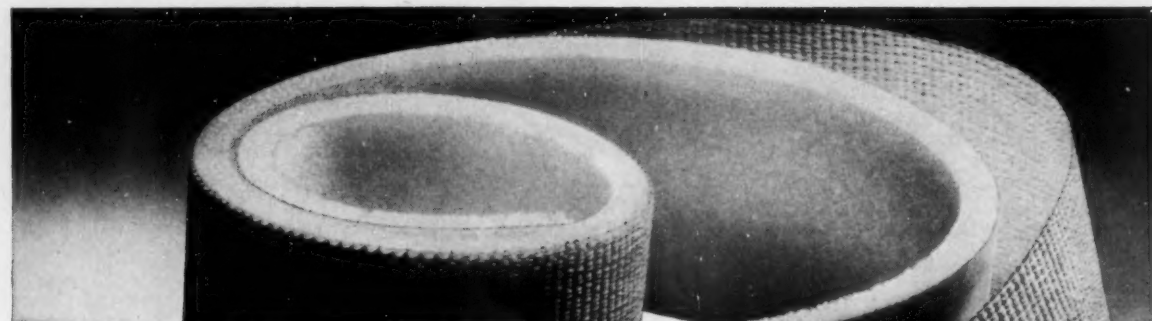
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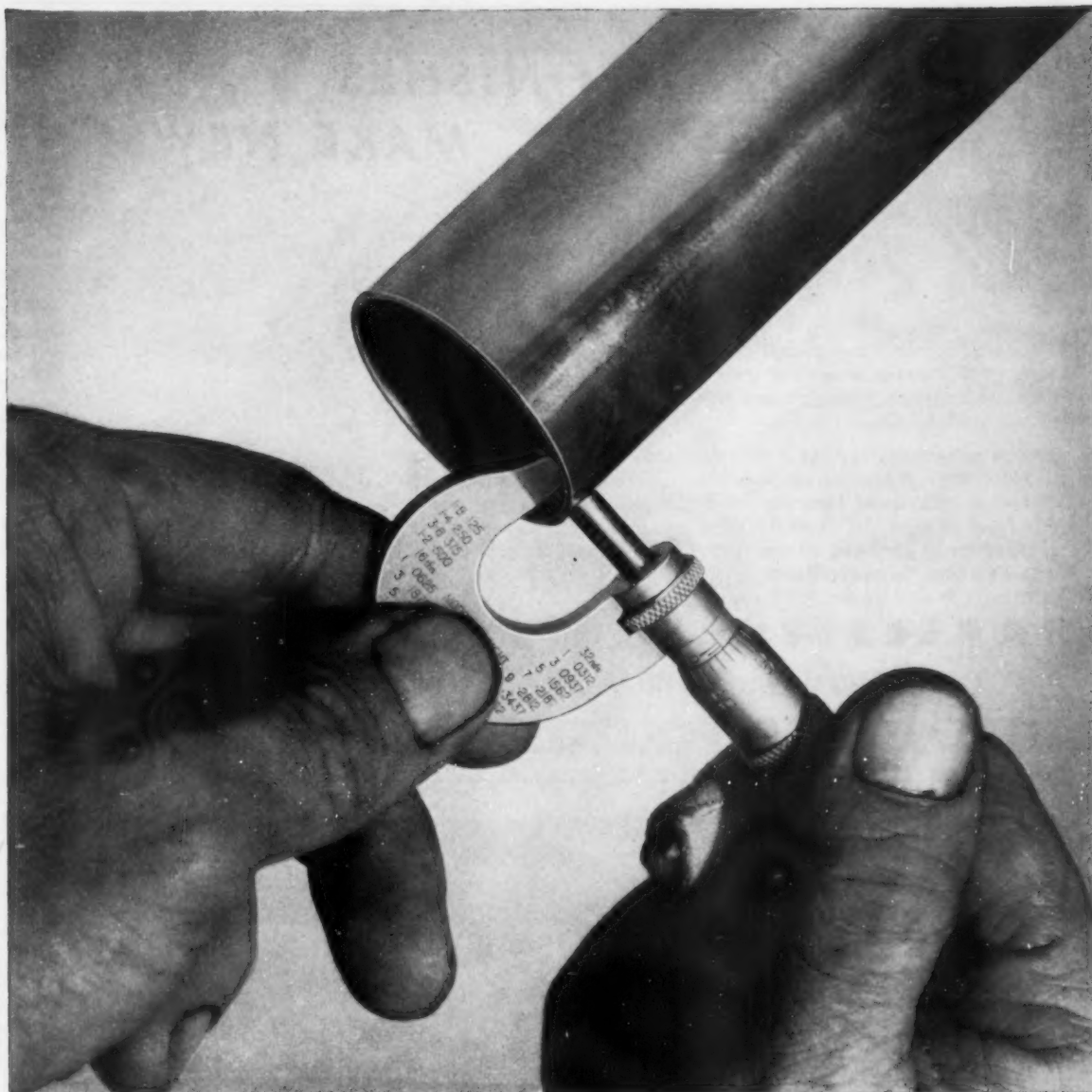
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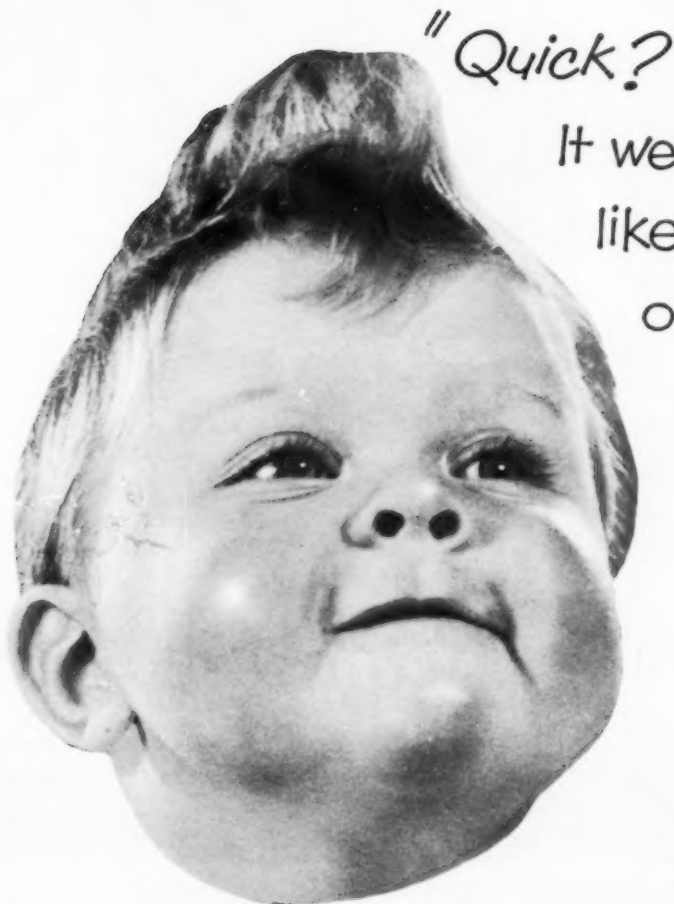
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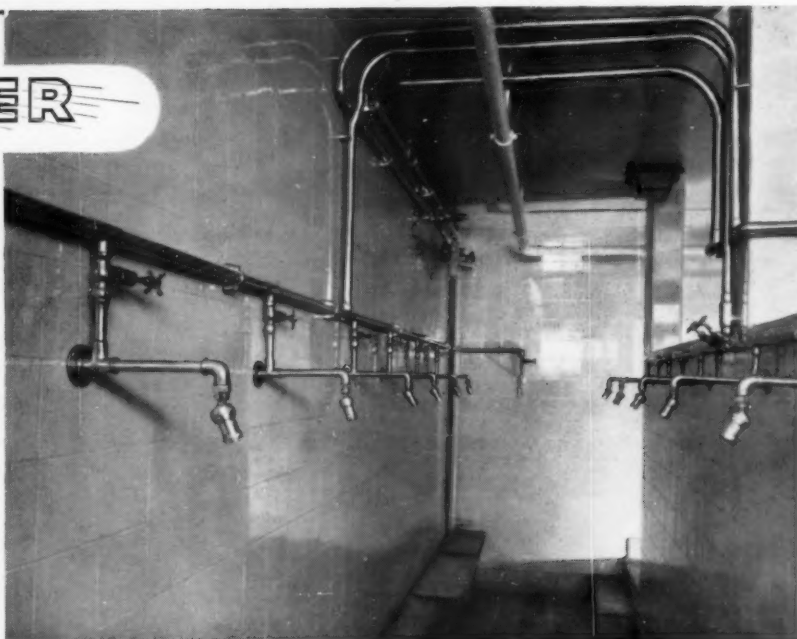
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THE STUDENT AND NATIONAL SERVICE

IN order to give students as much information as possible in regard to National Service, the Council of the R.I.B.A. has issued a memorandum which deals with the objects, eligibility and procedure when applying for deferment; procedure for call up; and it also gives notes on the choice of service, training and advantage to be gained.

Since the scheme for deferment of National Service was introduced, there have been a number of meetings between representatives of the Board of Architectural Education and the Ministry of Labour and National Service, at which every opportunity was taken to ensure the best possible conditions of deferment for architectural students in order to assist them in their preparation for examinations.

So far as Architecture is concerned, deferment may be granted to students to enable them to complete a full-time course at a school of architecture or, under certain conditions, to take the R.I.B.A. Intermediate and Final Examinations by part-time or evening study while working as architectural assistants, provided in either case that the student does not in the process reach the age of 26, when liability for National Service ceases.

The completion of a course of study is only one of a number of reasons for which deferment is made a concession to the individual; and it must not be forgotten that the fighting services of the State will benefit immediately only in so far as the training for which deferment is given is of immediate practical use in those fighting services.

In the course of discussions with the Ministry of Labour and National Service, it has been stated that there is virtually no employment in the Royal Navy and almost equally none in the Royal Air Force in which the particular knowledge and qualifications of an architect can be utilised, and furthermore that these two services in peace-time do not require any substantial intake of National Servicemen; what they do take are

mostly clerks and trained artificers. By far the greatest demand is in the Army; but here again the opportunity for the direct employment of architectural qualifications are so very limited as to be not worth considering.

There are two questions which the student is faced with: (a) when is the best time to do his National Service, immediately after leaving school or after qualifying; and (b) which Service should he join up in.

On the subject of the first question, the memorandum states that "it is often asked whether any guidance can be given" . . . and continues "Individual cases vary so much that it is considered impossible to give any specific advice". So Tommy is left to his own judgment and any help or advice his parents can give him in making a choice. Which is as it should be.

The boy who is a late developer or one who is uncertain what he really wishes to do may find the immediate experience of National Service and wider contact with the world at large which it undoubtedly brings, a useful dispeller of doubt; a period our grandfathers would describe "in which to sow your wild oats."

A tendency to draw everything on anything at an early age, regarded by fond parents with misgiving but with murmurs of "he must become an Architect," a thought which had never occurred to the scribbler, may have time to mature or become unimportant during National Service.

Sooner or later the second question has to be answered, and in this the memorandum offers some useful advice: "The objects of National Service being to create a reserve of trained fighting men, the majority of each intake will have to be trained as fighting soldiers rather than specialised tradesmen" . . . "The Corps in which the architect's qualifications appear to be most likely to be needed is the Royal Engineers. The Royal Engineers in peace time, however, take only limited responsibility for building work." . . . "Where, however, a student has long standing family connections with

a particular part of the country, he would be well advised to opt for his county regiment of the Royal Armoured Corps or Infantry, since it is probable that while National Service lasts he will be required to continue with some form of part-time training at the end of his two years. This will be carried out more happily with a unit with which he has local territorial connection and to this there is associated a social connection which in later years may be of value to him as an architect."

In the conclusions to the memorandum is offered the best advice of all: "The newly qualified architect or student is strongly advised to regard his period of military service as something in the nature of a digression or an adventure into an entirely new sphere of experience. He has, in fact, been conscripted into

an entirely different profession, that of arms, at the nation's demand and for the nation's service. He should defer to the nation's will and accept the situation that he cannot continue directly to study and practice architecture during this period." . . . "One of the requirements of an architect is a knowledge of and interest in *people*, since whatever he builds he builds for people. There are many ways of gaining experience of people. National Service is only one way but, approached properly, need not be unrewarding."

It only remains for us to quote from *Henry V*:

"In peace there's nothing so becomes a man
As modest stillness and humility;
But when the blast of war blows in our ears,
Then imitate the action of the tiger; . . ."

EVENTS AND COMMENTS

MANCHESTER

Having been brought up to believe that it always rains in Manchester, I was agreeably surprised when the sun shone throughout a short visit last week. I also expected to find it a depressing and dirty place, but in the sun it looked cheerful enough and if not exactly clean then no dirtier than many another manufacturing city. I noticed one or two jet black sooty buildings and in particular Messrs. Williams Deacons Bank, a splendidly austere classical monument.

I had some coffee at the Midland Hotel where the orchestra played treacle music and the wives of successful business men in furs, spring suits and too high heels were drinking tea and eating surprising numbers of cream cakes or perhaps I should say pastries. The interior reminded me of the inside of the largest kind of ship, except that it did not appear to roll.

With a little time on my hands I persuaded my host to let me visit the picture gallery. There I found some fine modern paintings, temporarily very badly hung to make way for a forthcoming John Constable exhibition. In another gallery there were some fine pre-Raphaelites. In another branch of the museum there was an exhibition of toys and I was shocked to find that a number of toys that I used to play with are now museum pieces.

I spent the night with friends who took me to a typical Manchester pub. A vast arched hall stretching away into the distance with transepts opening off here and there, in each transept one of the arches is filled in to make a bar, the general atmosphere was rather like the more comfortable type of hospital out-patients department. Somewhere in the distance a powerful-looking woman played the piano with competence and gusto and I was told that at the height of the evening, we were a little early, the wandering microphone circulates so that patrons may sing or recite.

In the early morning sunshine I caught a London

train from Didsbury, a station with a most modern concertina type platform canopy made of timber and the lightest ironwork. This train took me through the Peak district and provided a pleasant surprise. I had not been to Matlock for years and my memories included that strange petrifying spring full of stone, straw, bats and other unlikely objects, a cage full of monkeys in a grotto and several pools full of fat fish. I wonder whether they are all there still. At Leicester a gent entered my carriage and began to curse British Railways saying that on that particular line the trains were always hours late. I muttered sympathy and reflected that as our own train gradually got more and more behind time, no one at the various stops gave the slightest impression that anything was amiss. The general feeling conveyed to me as a passenger was that we were running several minutes early. Late running on this line would seem from my information an accepted thing.

NEW BUILDING TOY

At a casual glance you might be forgiven for mistaking my picture for suburban development almost anywhere in this country. It is in fact a model made from a building kit called Playcraft. The manufacturers

Do you recognise this place?





Not a mooring bollard for a flying saucer but a 250,000 gallon water tank.

suggest that the scene might be taken for any of our new towns. I do not want to be unkind to the makers because the kit looks a good one, apart from the architecture. Some new towns may not be as good as others, but all have produced better buildings than these. No sirs, your models bear the mark of the spec. builder. Why not make the kit first-class by commissioning an architect to design some good buildings?

STAINLESS STEEL WATER TOWER

My photograph is taken from the "Stainless Steel Review" and shows, not a mooring bollard for a flying saucer but a 250,000 gallon water tank, which forms part of the fire fighting equipment at the new General Motors Technical Centre at Detroit.

In a country where for many normal uses S.S. is out of the question because of its high cost, it is a little galling to find even the fire buckets as it were, in the States, being made of this semi-precious metal.

FRENCH THEATRE

If you enjoy hearing classical French pouring from the mouths of actors and actresses, you may have been to see the performances of the Theatre National Populaire now having a season at the Palace under the direction of M. Jean Vilar. I saw Molière's Don Juan last week. It was disappointing. The Molière was there, but Don Juan, played by M. Vilar himself, was a proper old boar in young ram's clothing. Sganarelle his servant was brilliant, and the smaller parts were well done. The settings, however, made the

production memorable. Three stools and a central inclined plane sloping towards the front of the stage were the only furnishings, otherwise all was darkness. The lighting was excellent and spots were used most effectively to give the impression of a deep wood or a splendidly pillared hall. This was something new to me in lighting technique.

CHANGING TOTTENHAM COURT ROAD

Sooner or later the west side of Tottenham Court Road is to be set back—I believe 30 feet. This will not mean the destruction of any Imperial Institutes, but it will remove two small favourites of mine. The first is a little jewellers and pawn-brokers recently closed down. The gently bowed window is now permanently shuttered with its original shutter boards, very few remain in this part of London. The centre window on the first floor is a minute bow, pleasantly detailed as is the pawn-brokers sign above it. I am fond of this building and shall miss it. The other loss will I think be more serious. The Rising Sun P.H. on the corner of, is it Windmill Street, is an architectural curiosity in the Gothic manner and still bears the names of its architects, Treadwell and Marten. The road widening will reduce the size of the Police Station, perhaps this was foreseen when it was rebuilt at the beginning of the war, for it has always had an odd temporary and unfinished look.

BATA SHOE STORE

One end of Oxford Street must surely be one of the largest shoe buying centres in the world. The latest comer to the chain of shoe shops is Bata's Shoe Store which was opened last week by the company's Chairman, Major-General Sir Edward L. Spears, with the remark: "I hope you will be in our shoes." I would like to be in the architect's, Bronek Katz. He was consultant for the job and is also architect to Freeman, Hardy and Willis.

The decor of the shop is up to the usual high standard expected now, and almost a commonplace wherever shoes are sold.

A WINDY WEEK-END

This week-end I formed part of a crew of four architects in the most slap-up sailing cruiser I have ever sailed in. We left Burnham-on-Crouch on Saturday at 7 a.m. and tied up in Gosport opposite the Russian warships at 1 p.m. (British Summer Time) on Sunday. In the first 24 hours we covered 140 miles which, I am told, was pretty good going. The ground is still going up and down as I write.

It would be fun if all the seafaring architects were to take their boats to this year's R.I.B.A. conference. I am told that there is plenty of water there. Failing that why not a rally sometime during the season?

ABNER

Correspondence

Housing Subsidies Bill

We publish below the correspondence which has taken place between the R.I.B.A. and the Ministry of Housing and Local Government on the question of the Housing Subsidies Bill.

To: Dame Evelyn Sharpe, D.B.E.,
Permanent Secretary, M.H.&L.G.

9th February, 1956.

Dear Dame Evelyn,

At their meeting on Tuesday, my Council had before them a report from our Town and Country Planning and Housing Committee on certain aspects of the Housing Subsidies Bill, which is now before Parliament.

There are two matters which are causing some concern to the profession and in which they fear that the provisions of the Bill may prove detrimental to the best possible solution of the problems of re-housing and redevelopment.

My Council would like to draw the attention of the Ministry to the present weighting of the scale of subsidy against three storey development. This will have a certain limiting effect on architectural freedom in the design of mixed development schemes of houses and flats, especially in slum clearance areas, and they think that it would be of great benefit to the country if the scale should be related to current building costs and so avoid showing a financial bias in favour of any one type of development against another.

The second matter which is causing concern, is Clause 11(i) of the Bill. It seems that replacements of fit houses that have to be demolished along with unfit houses in order to permit comprehensive redevelopment, do not qualify for the increased slum clearance subsidy. This is likely to be a temptation to leave an area not completely cleared, which will operate against the proper re-planning of that area.

My Council would be grateful if these matters could be given urgent attention during the Committee stage of the Bill.

Yours sincerely,
C. D. SPRAGG,
Secretary, R.I.B.A.

13th February, 1956.

Dear Spragg,

The Secretary has asked me to reply to your letter of 9th February addressed to her about this Bill.

As the Minister has made clear in Debates in the House, the new rates of subsidy are not related to any particular level of building costs. They are intended, however, so far as this is possible, not to weight the scales in favour of one particular form of development as against another, though this result cannot be obtained with absolute precision because of the wide variation in building costs, particularly in costs of flats in different parts of the country.

You also refer to the replacement of fit houses. This point was debated at length during the Committee Stage of the Bill (Hansard 31st January, Col. 764 *et seq.*) and I would refer you to that Debate, where the Minister's reasons were given in full for the policy followed in the Bill.

Yours sincerely,
J. E. BEDDOE,
Assistant Secretary, M.H.&L.G.

23rd February, 1956.

Dear Beddoe,

I submitted your letter of the 13th February to the Executive Committee of the Council and also informed them of the statement made by the Minister, as quoted in the extract from Hansard which you mentioned.

With regard to Clause 11(i) of the Bill on the replacement of fit houses, whilst the desire of the Minister (on the grounds of finance and immediate housing shortage) to avoid encouraging the demolition of fit houses is fully understood by the Royal Institute, we feel, nevertheless, that the means of achieving this—by the disqualification of fit houses adjacent to slums from the higher subsidy—may dissuade many local authorities from preparing comprehensive plans for the redevelopment of their slum areas.

In the interests of redeveloping the outworn central areas of towns and cities, so long left untouched, to standards of architecture and layout worthy of comparison with the best examples of other countries, the Royal Institute would greatly appreciate an assurance from the Minister firstly, that he will give every encouragement to local authorities to proceed with plans for the comprehensive redevelopment of their slum areas, even if these plans may in practice have to be carried out a piece at a time, and secondly, that as soon as conditions of finance and the availability of houses permit, the distinction in subsidies between fit and unfit houses within areas which can generally be classified as outworn, will be eliminated.

It is felt that an announcement to this effect by the Minister would do a great deal to allay the fears of those who feel that the new Bill perhaps gives more emphasis to the demolition of slum areas than to their reconstruction.

My Committee feel that this is a matter of great importance, on which the Council should make its position known to our members, and they have therefore asked whether the Minister will have any objection to this correspondence being published in the R.I.B.A. Journal and the architectural press.

Yours sincerely,
C. D. SPRAGG,
Secretary, R.I.B.A.

7th March, 1956.

Dear Spragg,

Thank you for your letter of 23rd February.

The Minister, of course, wishes local authorities to carry out the proper redevelopment of slum areas. In this connection I would draw your attention to the statement made by the Parliamentary Secretary during the Debate on February 14th (Hansard, Col. 2240): "I have explained that the Bill in no way prevents, debars or inhibits a local authority from proceeding by way of redevelopment areas under the principal Act, which is the Housing Act, 1936, or by comprehensive development under the Town and Country Planning Act. What it does do is to decline to put a premium in the year 1956 upon the demolition of areas of fit houses in preference to the demolition of areas of unfit houses."

The Minister has noted the Council's suggestion that when conditions of finance permit the distinction in subsidies between fit and unfit houses within areas which can generally be classified as outworn should be eliminated. I am sure you will understand that the Minister cannot make any announcement about future subsidy policy, but you may be assured that he will bear the Council's representations in mind at the appropriate time.

Yours sincerely,
J. E. BEDDOE,
Assistant Secretary, M.H.&L.G.

NEWS

Appointment of Secretary for Professional Relations

The Royal Institute of British Architects invites applications for the appointment of Secretary for Professional Relations, to initiate and conduct research into the organization, function and employment of architects. Applicants for the appointment will be required to show that they are experienced in similar undertakings, and that they have general administrative ability, practical knowledge of statistics and analysis of factual information, and competence to summarize and present the results obtained for the guidance of the R.I.B.A. Council and Committees.

Starting salary £2,000 (may be higher if qualifications exceptional) rising by annual increments of £100 to £2,500 p.a.

Further information and application form may be obtained on request from the Secretary, R.I.B.A., 66, Portland Place, London, W.1. Closing date 12th May, 1956.

Official Architects and Private Clients

The Council of the R.I.B.A. have been considering the principles involved in the undertaking of work for private clients by the official architectural department of local authorities. It is the opinion of the Council that each case must be judged on its individual merits, but in general it

would only be considered appropriate for an official architectural department of a local authority to undertake work where that local authority has a financial or operational responsibility for the completed work, or where a substantial proportion of the cost of the work is chargeable against public funds through the local authority.

R.I.B.A. Prizes

Intermediate Design Prize Competition

In the United Kingdom, 275 Competitors took part in the Intermediate Design Prize "en loge" Competition.

The following competitors have been selected to proceed with the final drawings for the Competition:—

John M. V. Bishop (School of Architecture, Edinburgh College of Art); Joseph R. Blackburn (School of Architecture, Edinburgh College of Art); Peter A. Crighton (School of Architecture, College of Art, Leicester); Michael B. Everitt (School of Architecture, College of Art, Leicester); Brian B. Fowle (Dept. of Architecture, The Northern Polytechnic, London); P. G. Koulermos (School of Architecture, The Polytechnic, Regent Street, London); John C. C. Meunier (Liverpool School of Architecture, University of Liverpool); Frederick D. Parkes (The Nottingham School of Architecture); John R. Peverley (School of Architecture, Canterbury College of Art); W. Henry Roberts (Welsh School of Architecture, The College of Technology and Commerce, Cardiff); John Robinson (School of Architecture, King's College, Newcastle-upon-Tyne); Francis B. Sayer (Dept. of Architecture, University of Sheffield); Thomas White (School of Architecture, Edinburgh College of Art); Peter J. Winchester (School of Architecture, The Polytechnic, Regent Street, London).

The Victory Scholarship Competition

In the United Kingdom 129 Competitors took part in the Victory Scholarship "en loge" Competition.

The following Competitors have been selected to proceed with the final drawings for the Competition:—

Clive R. Brooks (School of Architecture, College of Art, Leicester); Peter Hall (School of Architecture, Cambridge University); John B. Hilling (Welsh School of Architecture, The College of Technology and Commerce, Cardiff); James H. Johnson (Dept. of Architecture, The Northern Polytechnic, London); John A. Kennett (School of Architecture, The Polytechnic, Regent Street, London); Andrew Merrylees (Glasgow School of Architecture, The Royal Technical College, Glasgow); Walter D. Paterson (Glasgow School of Architecture, The Royal Technical College, Glasgow); William M. Toner (Glasgow School of Architecture, The Royal Technical College, Glasgow); Fred Woodhead (Dept. of Architecture, University of Sheffield); Thomas Jeffrey Yandell,

R.I.B.A. Examination

The Examination in Professional Practice and Practical Experience was held in London and Edinburgh on the 9th and 10th April, 1956. Of the 102 candidates examined, 81 passed and 21 were relegated. The successful candidates are as follows:—P. D. Anag, Ronald Ashton, R. L. J. Baird, John P. Barber, P. J. Bermingham, D. M. Billam, M. H. Billingham, K. G. Bishop, M. J. Briggs, David Brown, Brian T. Brownlee, A. M. Cashin, M. F. E. Cawthra, W. R. Charles, J. C. Cherry, N. F. Chuter, Bryan Collins, S. G. Cook, P. P. Cradock, M. M. Cross, C. F. Davies, David Dewar, M. J. Dixon, G. T. Evans, M. L. Fielding, E. G. Finlason, J. D. Fitzgerald, K. W. Ford, J. C. Foulsham, A. J. Fowler, A. V. France, J. K. France, R. P. Gibson, R. G. S. Gill, R. E. Goodfellow, J. R. Gray, Roger Guest, B. H. Hansford, D. W. Hills, Ian R. Hodgson, J. H. Jess, A. G. Johnson, D. F. C. Keen, Jack Kinnair, Rainer Klapprott, Z. E. Kolek, Frederick Mark, D. R. J. Martin, K. J. C. Meehan, E. M. Meyersohn, H. T. Montague, Llewellyn Morgan, H. A. Munro, A. H. Osborne, C. J. Pilling, R. G. A. Pilton, M. N. G. Plester, G. P. F. Poole, P. A. B. Ramsay, W. M. Reidy, J. N. Rennie, Bill Richards, W. C. Ritchie, David Roberts, J. W. Robinson, Andrzej Rudowski, A. J. Sadler, D. M. C. Sharpe, D. C. Simmonds, J. D. Smith, Mrs. L. A. Stephenson, B. J. Stevens, A. J. Stimpson, John Surtees, Peter Tong, M. S. H. Wheeler, Eric Whittaker, E. T. Williams, Watcyn Williams, P. W. V. Winther, Brian Worthington.

Fixed Price Contracts

Following the London Master Builders' Association's decision to recommend to its members to omit the materials fluctuation clause in quoting for work up to £5,000, the London Master Plasterers Association has decided on a similar step.

It is recommending its members not to apply the fluctuation clause to contracts up to £2,000 provided they are likely to be completed within six months of the date of tender.

Announcement

Mr. Michael G. Murray, M.A., A.R.I.B.A., has become a partner in the firm of Hening & Chitty, Architects and Town-planning Consultants.

Talk Postponed

The Informal Talk on "Opera Houses," by Hope Bagenal, which was to have taken place on April 16th, will now be held on April 30th at 6.15 p.m.



Sir Lindsay Parkinson & Co.'s new London offices opened last week. Architects: Moiret and Wood

In Parliament

Praise for St. Paul's

The initial impact on the House of Lords of Sir William Holford's scheme for the St. Paul's neighbourhood has been favourable. All the seven peers who took part in a debate on April 18 on London development expressed their support. The Government spokesman, the Earl of Munster, Minister without Portfolio, was naturally non-committal at this stage. He could say no more than that the Minister, Mr. Duncan Sandys, was anxious that progress should be made in replacing the area as soon as possible, and was discussing the matter with representatives of the L.C.C. and the City.

Lord Silkin, who initiated the discussion, expressed his delight with Sir William Holford's most imaginative plan. He believed it had been influenced by Venice, but it was not a bad thing to take the best out of any city, especially one of the loveliest. He pressed for the early consideration of the plan, and an early decision. There might be many different ideas about it, and the proposal might be discarded and the opportunity lost.

Lord Esher thought the critics in the Commons would find all informed opinion "under 60" against them. After 60 the eye could as a rule only recognise the difference between new and old, and not that between good and bad. Within the past few weeks uninstructed politicians had destroyed the Imperial Institute and would no doubt proceed to destroy the admirable plan for St. Paul's. In both cases they had the Royal Fine Art Commission against them. Artistic judgment and appreciation did not come naturally to politicians any more than to children.

In his view this was the best layout for St. Paul's that we were likely to get. Although it was not perfect, it could be seen at a glance how subtle and satisfactory was the general layout, and with what skill Sir William Holford had solved the manifold and complicated problems involved. With courage and vision Sir William Holford had given St. Paul's some extra space, removed its thunderous traffic, and left the cathedral surrounded but by no means dwarfed or obliterated by the cluster of building.

Lord Mottistone spoke for the point of view of one who lived and worked within 600 yards of the cathedral. Year by year he had wondered whether an acceptable plan would be produced. To his mind, it had.

This was an enfolding plan that brought the City and the cathedral, which seemed to have grown there and not to have been imposed. The plan was full of the element of surprise and happy inconsequence. It was wise

not to have attempted complete symmetry; that was ruled out by Ludgate Hill. One thing was lacking in this splendid plan—a living force to animate it. It would be a world of pitiful if the area were rebuilt without a single habitation within it. The area could not become residential, but even a few living spaces would help.

Lord Conesford thought the plan lively, vigorous and beautiful. It was in accordance with the English tradition—urbane and intimate, rather than grandiose and monumental. He hoped the Government would not be guided too much by the views of an individual Minister. This was a question of vital concern to the future of London, one of the greatest works of Britain's greatest architect, and of the nation's reputation for reconstruction. It deserved the most careful consideration by the Cabinet. The plan provided a great chance. If it were missed they would incur, and deserve, their children's scorn.

City Gardens

Among the other topics discussed was an interesting suggestion by Lord Blackford for the provision of open green spaces in the City. Between two office building schemes behind Gresham Street were two churches—St. Alban, Wood Street, and St. Mary, Aldermanbury, both destroyed during the war. In St. Mary's was a monument to two actors who had collected the first folios of Shakespeare's plays. He would like to see the area made into a garden for office workers, and called "Shakespeare's Garden". Another area that could be made into a garden was St. Giles, Cripplegate, where Milton was buried; and a third was the cemetery in Bunhill Fields, Finsbury, where were the graves of Bunyan, Defoe, and Blake.

On office buildings in general Lord Silkin criticised the recent announcement that the change from residential to office use in some areas would be prohibited. The L.C.C. felt that the effect of this indiscriminate decision by the Minister would be that all premises in Mayfair should be used for residential purposes when they were no longer suitable and would encourage their use for improper purposes.

Lord Munster's comment on this was that since the war the spread of office accommodation into residential districts had proceeded apace. Mayfair was a case in point. The Minister felt it wrong that traditional residential areas should be turned into commercial centres, and had stated his views in a letter to the L.C.C.

Additional office accommodation under construction or about to be built would provide employment for a further 70,000 workers in the City alone. He was informed that there was every reason to believe that for the rest of the central area the figures

would prove just as alarming. The time must surely have arrived when commercial firms should be persuaded to follow the lead of industry and move offices outside the central area.

Commons Division

The division of opinion in the House of Commons on the St. Paul's scheme has been made manifest. To Sir Alfred Bosson's critical motion (reported last week) there has appeared an amendment which

"applauds the general outline of Sir William Holford's imaginative proposals for the area around St. Paul's Cathedral which, while maintaining the intimacy characteristic of the City of London, would enhance the beauty of the cathedral by setting it among buildings of good modern design; and rejects any proposal to isolate St. Paul's from the main stream of London life of which it is the centre and to place it in a grandiose setting which would be not only aesthetically inappropriate but incapable of realisation".

The amendment, sponsored by Mr. Grimond, the Liberal Chief Whip, had acquired the signatures of more than 50 M.P.s in all parties, by April 20.

COHING EVENTS

The Institute of Fuel

May 1 and 2 at 10 a.m. Opening Conference of a Special Study of "Domestic Heating in the United Kingdom—Present and Future," at Church House, Westminster.

Royal Institute of British Architects

May 1 at 6 p.m. Annual General Meeting. At 66 Portland Place, W.1.

The Association of Supervising Electrical Engineers

May 2 at 7.30 p.m. "Ventilation in Industry," by R. W. James, at the Preston Branch, The Chamber of Commerce, 49a Fishergate, Preston.
May 4 at 7.30 p.m. "Underfloor Duct System," by W. J. Mann, M.A.S.E.E., at the Liverpool Branch, the Liverpool Engineering Society, 9 The Temple, 24 Dale Street, Liverpool 2.

London Master Builders Association

May 3. The Lord Mayor, Alderman Cuthbert L. Ackroyd, is to be the guest of honour of the London Master Builders Association at a luncheon in the Savoy Hotel on May 3. Kenneth C. F. Foster, F.I.O.B., the new President of the L.M.B.A., will preside.

Association of Building Technicians

May 4 at 7 p.m. Symposium: "Drawing Office Conditions in London," speakers from Private Practice, Local Authority, County Council and Public Authority Offices. At the Building Centre, Store Street, W.C.1.



A general view of the group of cottages forming an extension to Richardson's Lawn. Nearly all blocks are asymmetrical, and all roofs are gabled, of the same span, and $47\frac{1}{2}^{\circ}$ pitch. To overcome the very wide spacing of the cottages an attempt has been made to lead the eye from one gable to another and so establish a relationship between the blocks. The final cost of the cottages was £2,600 each, including external works.

HOUSES AT WINDSOR AND ASCOT

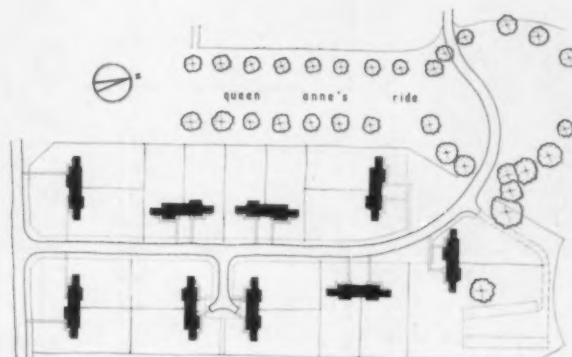
architect: CLIFFORD CULPIN,

F.R.I.B.A.

THE main part of this contract consisted of 18 cottages which were added to the existing group in the Great Park, at Richardson's Lawn, known locally as "The Village". In addition there was a formal terrace of eight on the London Road at Ascot, two in the heart of the Park at Norfolk Farm and two completing a formal three-sided group at Cumberland Gate. All the houses are occupied by workers on the Windsor Estate.

For the Richardson's Lawn extension the site to be developed and the general line of the new road had already been settled when the architect was appointed. It had also been decided that the houses on this site should all be semi-detached. Very large gardens were very desirable, as many of the tenants are expert gardeners, and extreme openness of treatment resulted. All sides of each pair (or rather block of two, for most are asymmetrical) are visible and care was exercised to have no "back" elevation.

A further architectural problem was presented by the proximity of other houses of early post-war design, built in a fairly wide variety of materials for walling and roofing, and still earlier dwellings of several periods and of different styles. It was decided to use roofs of a constant span and pitch as a unifying element throughout, and to have facing bricks and painted brickwork as the only variations in facing materials. To avoid any clash with earlier work a new range of windows not particularly associated with any period, and based on panes of glass of a uniform 18 inches square, was evolved.



WINDSOR SITE

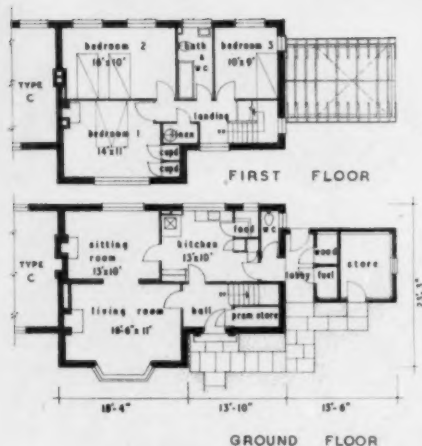
Each block in the Park bears a pre-cast stone panel bearing the Royal Cypher with that of H.R.H. the Duke of Edinburgh, who is Warden of the Park, under it.

The Ground Plan adopted for the formal block of eight cottages at Ascot is in the form of the letter "E".

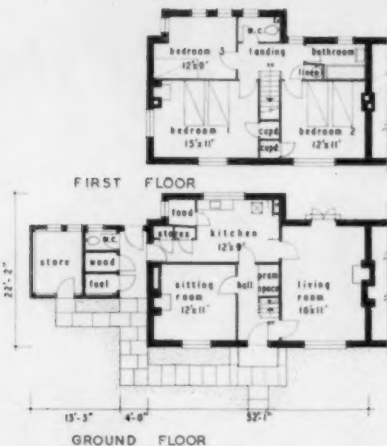
All houses have good quality fittings. Floors in Kitchens, Halls and the Small Sitting-rooms are of the better grades of thermoplastic tiles, and in the living-rooms of polished Keruing wood blocks. Kitchens have enamelled steel sink units of a powder blue colour and this colour is picked up in the decorations in conjunction with a very pale yellow.

Living-rooms have New Marathon fires in black Alisheen finish with sunk ashpits, back boilers for hot water supply, and convection heating. The tile surrounds have plain hardwood mantles. Sitting rooms have simple fires in similar surrounds.

Thermal insulation has been afforded by the use of plaster-board containing aluminium foil in the ceilings, and Thermalite blocks for the inner leaf of external walls.

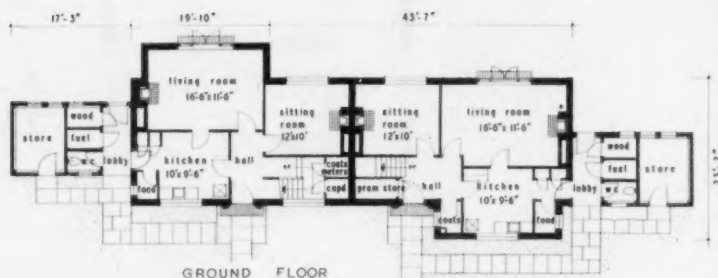
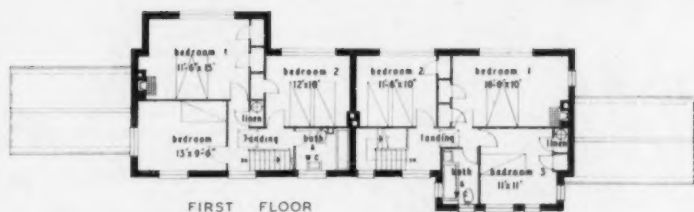


TYPE D HOUSE



TYPE C HOUSE

SCALE: 1 IN = 24 FT



TYPE B HOUSE

Houses at Windsor and Ascot

The pair of cottages at Norfolk Farm. The problem here was to disrupt as little as possible the pastoral scene. The extent to which this was achieved can be judged by the fact that these houses were only just approaching completion when the photograph was taken.

The walls are rendered and finished with a Tyrolean texture, verges were brought out, with bargeboards, to protect the rendering.



This pair of houses at Cumberland Gate was designed to complete a three-sided formal layout. The hipped ends, symmetrical design and strongly traditional windows divided into small squares were all dictated by the necessity to harmonize with the existing two pairs of cottages. The brickwork, like that in the main group, is built in garden wall bond. The roof is covered with antique-coloured hand-made tiles.



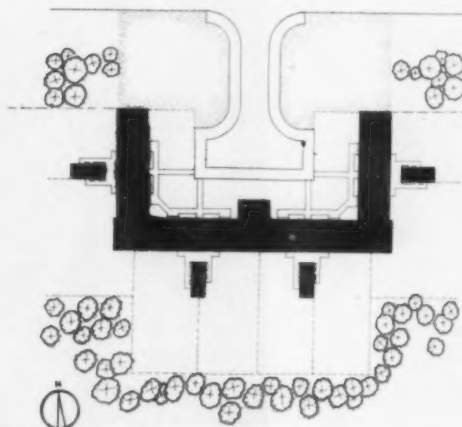
The Block of eight North-aspect cottages at Ascot. The richly set Royal Cypher, forming the feature of the centre gable, was carved by David Evans, F.R.B.S. Chimney caps, door hoods and architraves, and the heavily rusticated plinth are in artificial stone. Walls are faced with 2½" machine-made Sussex Mottled Stocks of a grey-brown tone, and the roofs are covered with dun-coloured pan-tiles. Louvred gates screen the access passages. The final cost of the houses, including external works, was £2,380 each.



F★

The emulsion-painted block of South-aspect houses forming the terminal feature at the turn of the new road. The roofs are covered with natural red Norfolk pattern pan-tiles which are already assuming a rich diversity of tones. The stacks, door jambs and outbuildings of painted blocks and all of the brick-faced blocks are all faced with 2½" Clamp-Burnt Multi-coloured stocks.

ASCOT SITE



HEALTH CENTRE AT HARLOW

architects:

BOOTH AND LEDEBOER

THIS Health Centre houses a dental group and a medical group practice together with clinics and services organised by the Essex County Council's Medical Officer. It is on the corner of the Stow and Howard Way at Harlow, near shops, community centre and church which serve the Mark Hall area. The building cost £19,578.10, to which contribution was made by Lord Nuffield through the Nuffield Provincial Hospitals Trust.

The main approach and entrance is sheltered by a broad projecting canopy which was designed so prams could be left on either side of the entrance, under cover. Directly off the entrance doors is a lobby and from this patients either attend the dentists' waiting room to the left or the doctors' waiting room to the right.

Dentists' Wing

The dentists' wing has its own waiting room and a secretary's office serving the two dental surgeries. These surgeries are supported by a laboratory for three assistants, a plaster room, a gold room and a dark room. This unit also has an extraction room and recovery room.

Clinic Wing

Patients enter the medical wing by the main waiting room and this section is a joint waiting room for three doctors. At an enquiry desk the

Continued on p. 430



Entrance Porch

Elevation to North-West





Entrance Lobby

PLAN SCALE: 1 IN = 32 FT





Main Waiting Room



Waiting Room Clinic

General Contractors:] R. C. Darlington & Son's Ltd.

Subcontractors:

Bollards: Joseph Mears Ltd. Bricks-facing: Pratt (Watford) Ltd. Curtain Rails to cubicles: J. Avery & Co. Ltd. Door Mats: Tyre Products Ltd. Electrical Installation: G. E. Barlow. Electric Signs: Tucker & Edgar. Flooring: Hollis Bros. Ltd. Gas Installation: Eastern Gas Board. Glazed Wall Tiles: Boyden & Co. Ltd. Heating: The General Electric Co. Ltd. (Unit Heaters); E. K. Cole Ltd. (Thermavent). Ironmongery: W. N. Froy & Sons Ltd., Alfred G. Roberts Ltd. Joinery: John Sadd & Sons Ltd. Lighting Fittings: General Electric Co. Ltd., Falk Stadelmann & Co. Ltd., Merchant Adventurers Ltd. Movable Screens in Waiting Rooms: Andrew A. Pegram Ltd. Paint: Hadfields (Merton) Ltd. Roofing: The Ruberoid Co. Ltd. Sanitary Fittings: Stitsons Sanitary Fittings Ltd. Sliding-folding Partitions: Andrew Bentley Ltd. Ventilators in Dark Room: Colc Ventilation Ltd. Window Controls—Clerestory: Arens Controls Ltd.

Health Centre, Harlow

secretary takes information from the patient and the patient is notified by buzzer and illuminated sign when the doctor is ready to see him. Each doctor has his own consulting room and an examination room opening off a passage from the waiting room. Serving the general waiting space is a small tea kitchen and for minor injuries there is a room for a district nurse.

Separating the clinic and waiting rooms is a folding/sliding door which allows these two rooms to be thrown into one for remedial, gymnastic exercises. These exercises are supervised by the County Medical Officer. The clinic room is primarily for infant welfare and has its own waiting room adjacent to a room for a county doctor.

The car park in front of the building is exclusively for doctors; staff have a separate entry at the back. This can also be used as a secondary exit by patients too unwell to use the main doors.

Construction

The building has brick walls and wood windows and a timber roof covered with mineralized bituminous sheeting. Over the waiting room is a lean-to timber roof of 10in \times 3in double rafters bolted to a secondary rafter 6in \times 3in. This construction has allowed a clerestory window which was necessary in the design to give rapid ventilation of the room.

Waiting Room Clerestory





6x3 valley rafter coggled over & supported on raking member of truss

bituminous felt

clerestory window

4x2 plate

3x2 purlins at 2'-0" ccs

1" boarding butt jointed

2 No 10x3

6x3

1/2" fibreboard plastered

ceiling joists notched over 1x1 1/2 fixing battens

5x2 struts

4x3 plate

DOCTORS WING

MAIN WAITING ROOM

door to kitchen

folding-sliding doors and framing over

4 1/2 brick beam filling

rendered soffit

r.c. lintel

4 1/2 brick

9" clinker block

d.p.c.

3" plain finish concrete

1" nominal wood block floor

1" screed

4" concrete

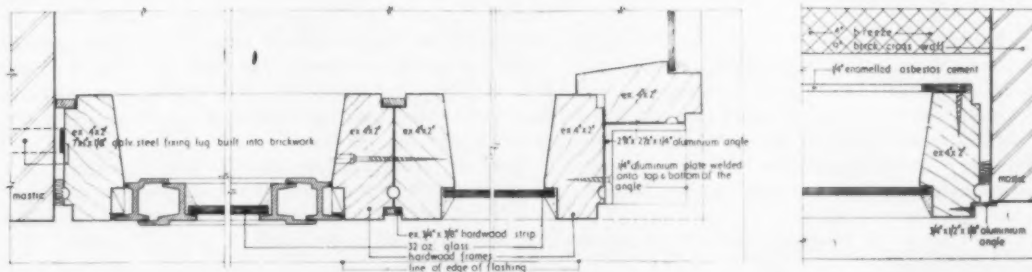
6" hardcore

damp-proof membrane

SECTION AA

DETAILS OF WINDOWS

SCALE: 1/5 F.S.





Perspective of winning design by Clifford Culpin and Partners

A.B.S. Competition

The design of Old People's Homes

We publish below extracts from the winner's report. The second premiated designs and the commended designs are illustrated as well as two other entries of widely different design.

THE arrangement of the various elements and the form and relationship of the buildings were governed by several major design principles. The architects felt that emphasis should be on the existing beauty of the site rather than on an attempt to create new interests. Provision was made for pleasant views from every main room as well as satisfactory orientation. Those units necessitating slight seclusion have been sited in phase 2 of the building plan.

The Social Room/Warden's House is a linked section visible from the road and from most of the site. The Social Room has a large window taking in S.W. sun and looking out on to a terrace and distant views.

The architects designed the whole group of buildings as one architectural entity, they wanted no competition between the first and second phases. On the other hand phase 1 was designed as a completely self contained building layout—compact in the interests of economy. They made allowance for phase 2 building not to disturb occupants already in residence.

Building Forms

The architects considered that the living units for old people would be more comfortable, convenient, and aesthetically more satisfactory if arranged on one floor. This is a slightly more extensive arrangement than two floors (though to a lesser degree than with larger dwellings) but estimates proved that the dwellings can be built within the laid down costs limits.

The Warden's House, by being a practically detached

unit, will dominate the other dwellings. It was made a storey-and-a-half with bedrooms in the roof space as this was felt to be a more subtle design contrast to the one-storey dwellings. The Social and Meeting Room, although the conditions indicated a preference for this to be placed in the same building as the Warden's House, exists as a separate space connected to the main buildings by a paved terrace and glazed screen. This was done to avoid the disadvantage of leaving, in phase 1, an incomplete building, and it followed on the square plan shape. It has a shallow pitched roof which the architects consider gives a subtle yet positive emphasis to this focal point of social activity.

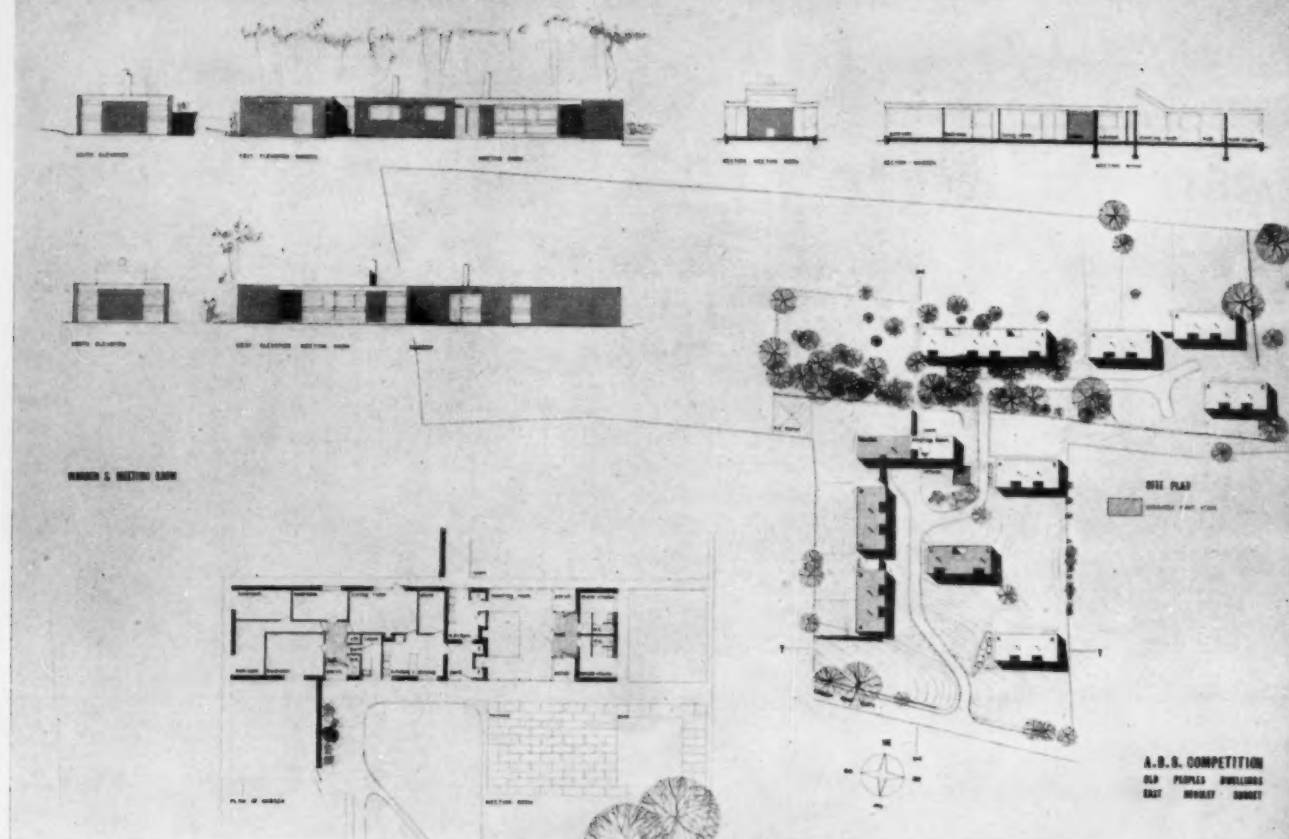
External Appearance

The buildings were designed in the stipulated "simple character".

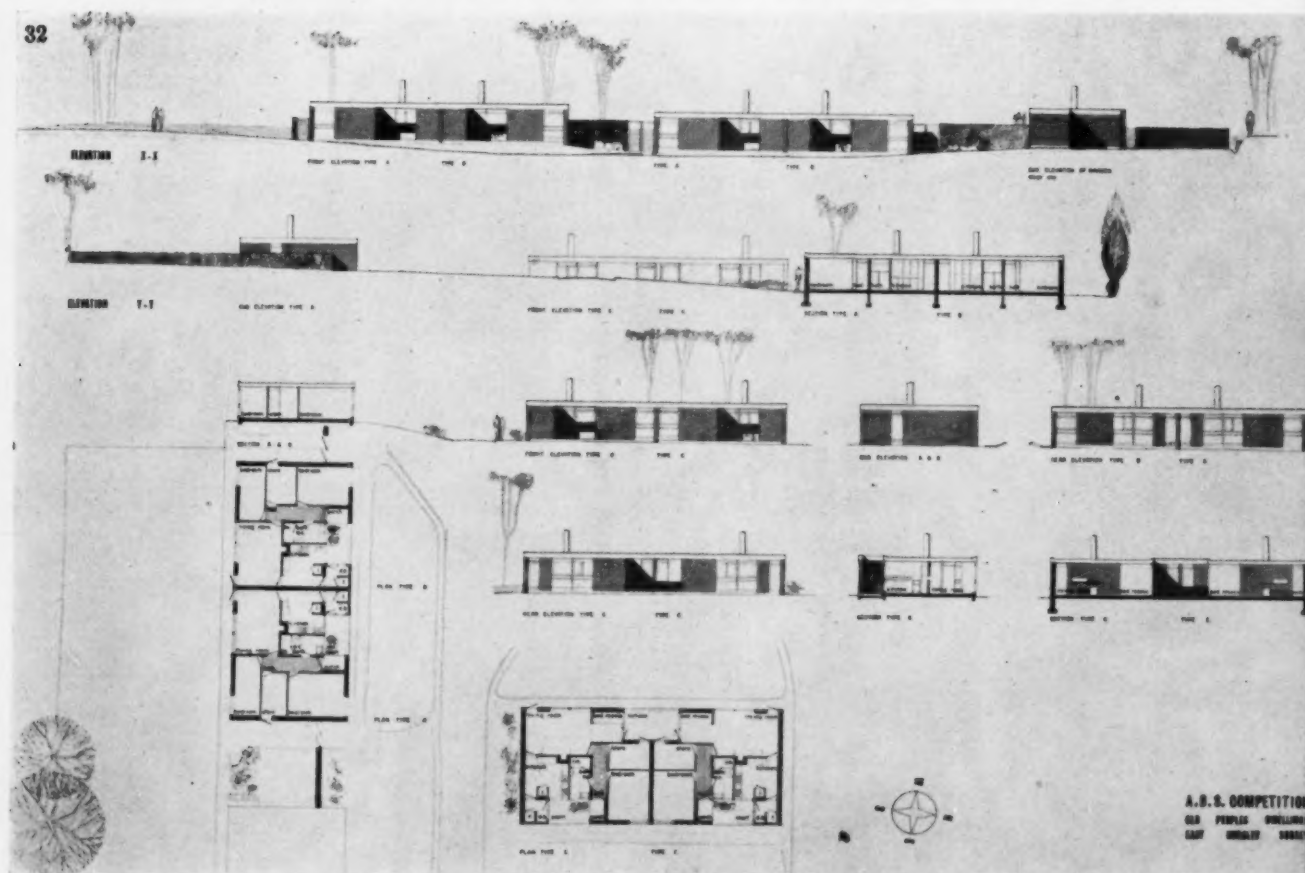
The cost factor determined a 35deg roof-pitch for all dwellings (except the Warden's house which is 42deg); roofs will be covered with dun-coloured, pan tiles. Simple chimney stacks rise from the roof; walling will be mainly Surrey multi-coloured bricks with flush mortar joints and white wood work. Tile-hung partitions will contrast in colour and texture with club-headed deep red, sand faced tiles. Modelling has been induced by recessing the entrance and sun porches.

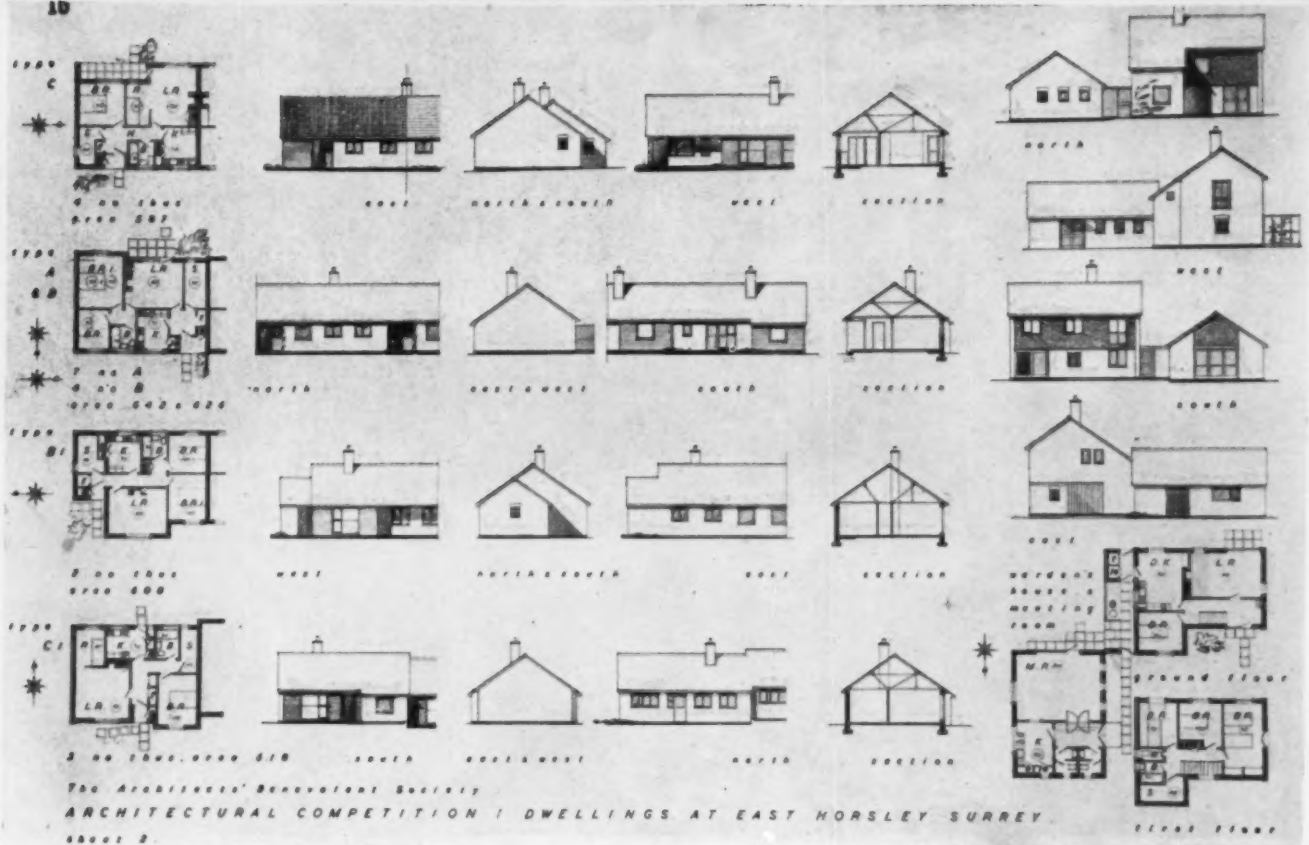
Floor to ceiling heights are 7ft 6in throughout and although ground floor stores of the old people's dwellings have been reduced from 35ft sq; additional storage space has been provided in the roofs.





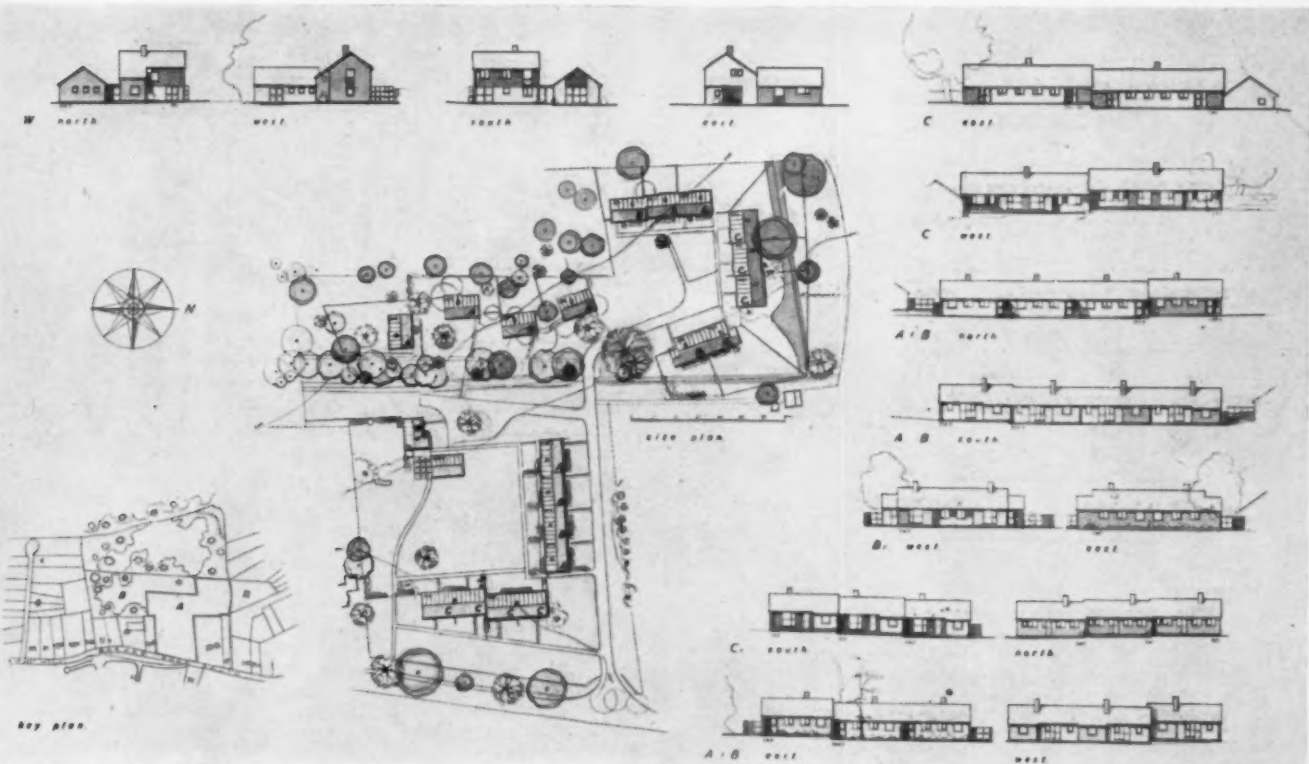
Second shared design by Douglas Lanham and Eric Barber

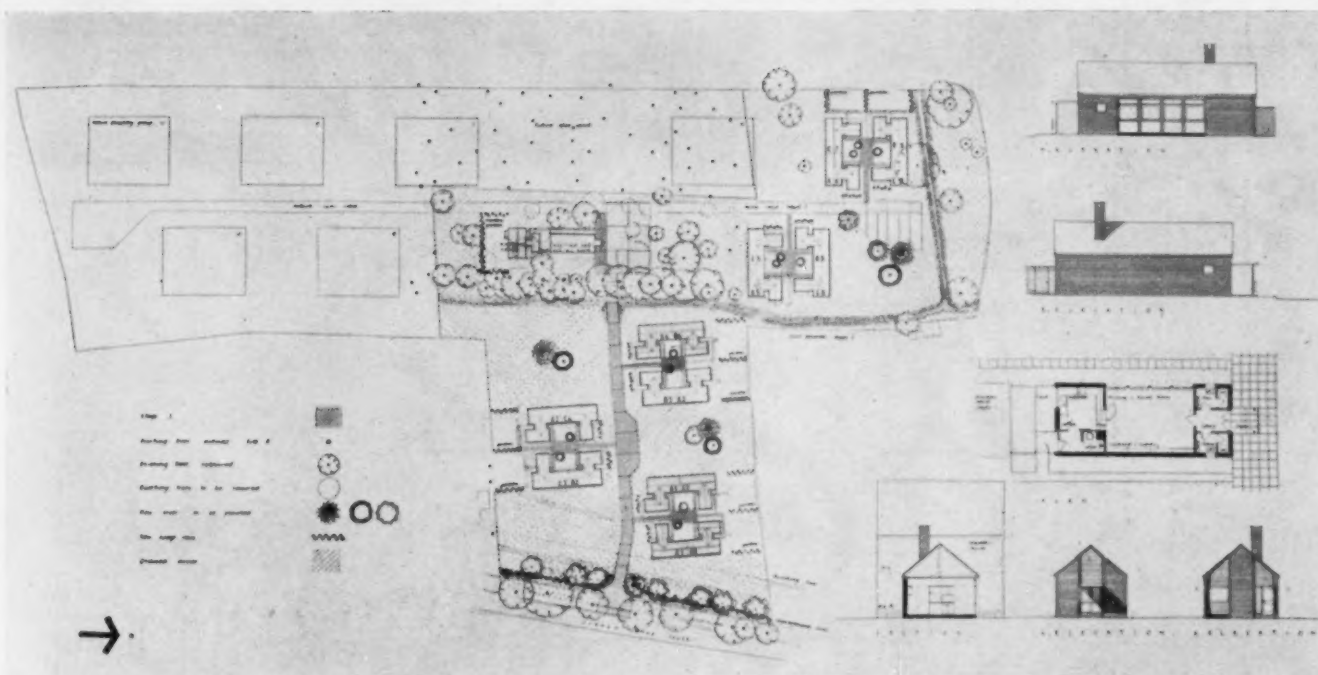




A.B.S. Competition

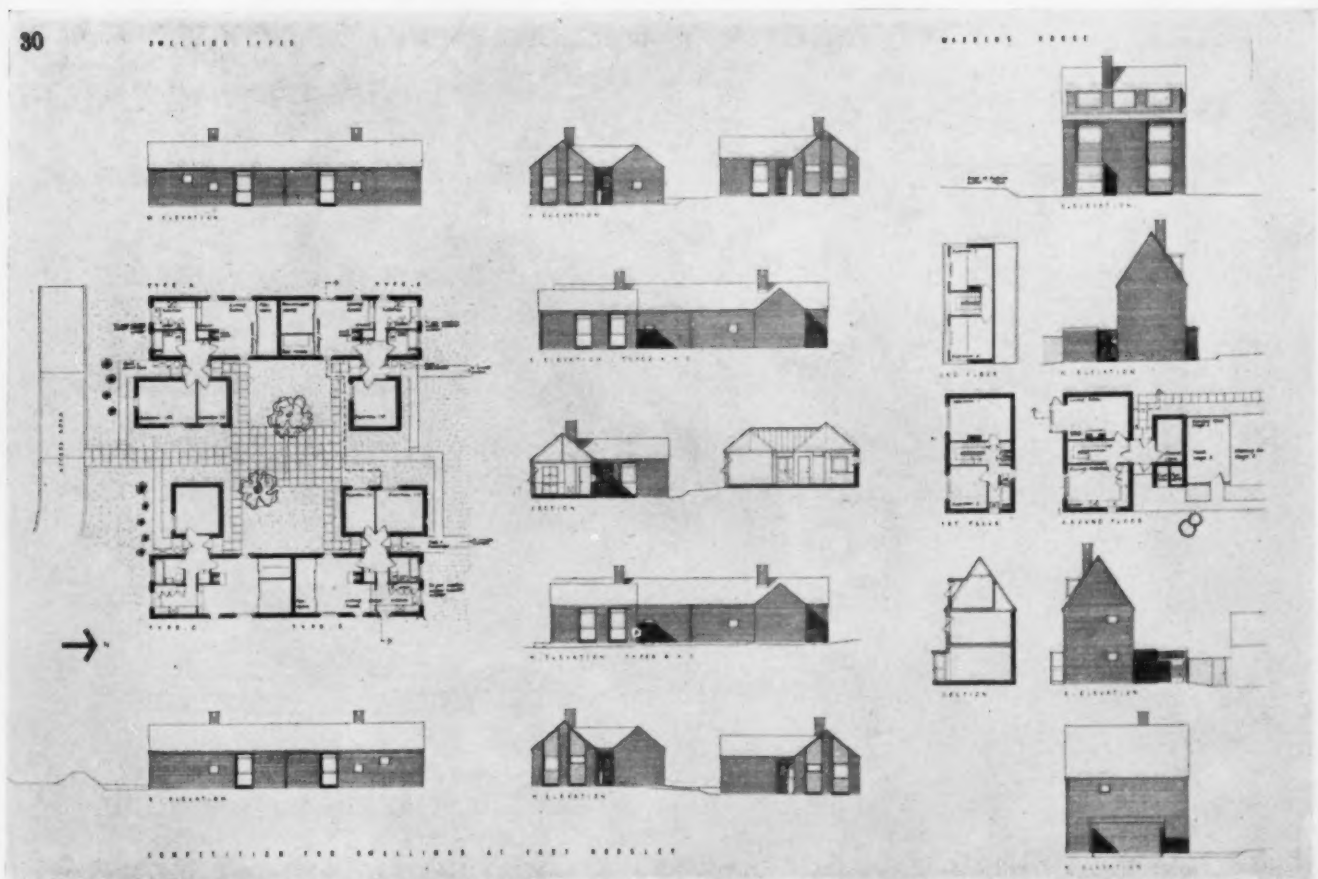
Commended design by Miss P. F. G. Cavanagh and S. D. Dray

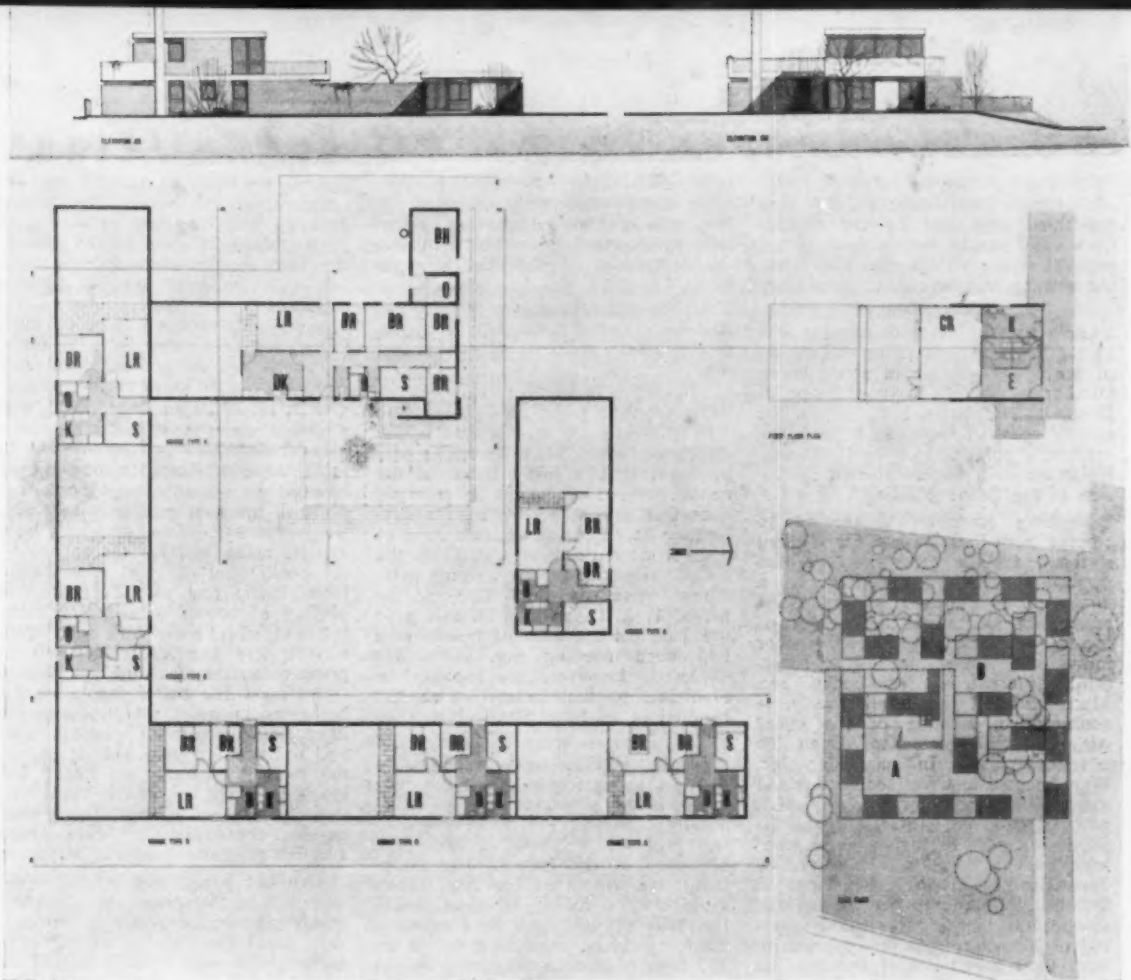




A.B.S. Competition

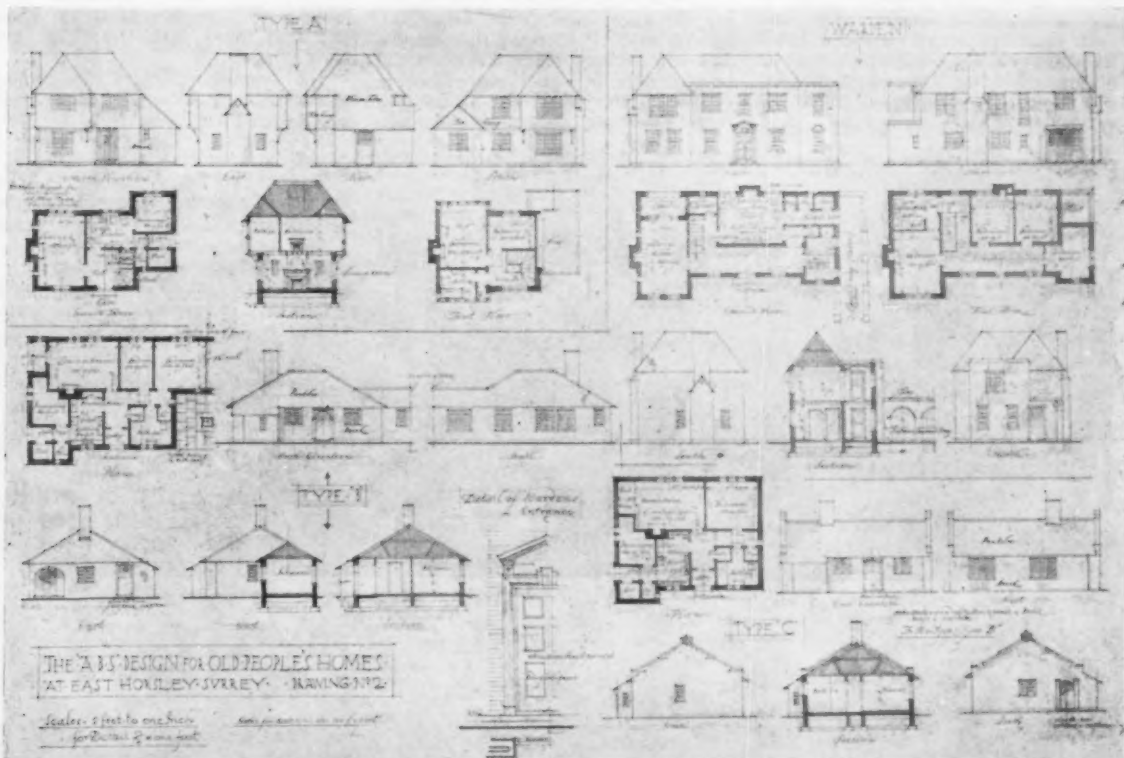
Commended design by Michael Hennings





No. 20 design by Roy Stout, M. Noel Keating & Patrick Litchfield
A.B.S. Competition

No. 90 design by J. Kennedy Hawkes



R.I.B.A. Symposium on Office Buildings

THE symposium on office buildings recently held at the R.I.B.A. was the third organised by the Science Committee in just over a year. Seven papers were given in the afternoon, the evening was devoted to discussion.

The problem in general was adequately covered by three papers: one by Sir William Holford on the setting of the office building in urban areas, another by A. N. Marr of Imperial Chemical Industries Ltd., giving the clients' point of view and a third, the architects' point of view by H. Fitzroy Robinson in a paper "Recent Evolution of the Office Building".

Nothing controversial seemed to emerge from these papers. Sir William stressed, among other matters, the opportunities for great effect on a larger scale than the present street scene, but warned of the danger of too rigidly preconceived envelopes for individual buildings leading to something different but no better. Mr. Marr revealed the usual steady, if conservative, attitude of the client with a willingness to listen to advanced ideas. In particular Mr. Marr seemed less inclined to demand a quart of accommodation out of a pint of site. H. Fitzroy Robinson showed a grasp of the range of problems met in practice. He peeped at American practice but left us without definite conclusions. So far in the symposium, one felt that the speakers ought to have been more selective with their material and brought out the really key problems for close examination.

On heating and ventilation, Mr. J. R. Kell's paper was more suitable for a student audience and was not up to the calibre demanded by the occasion. No real analysis, statistics, or facts, no broad guiding principles—and a prejudice against flow heating. Later, in the discussion, a speaker from the floor described an all electric installation proposed for a 1,000 person office and asserted that the economics of this system considering all factors—savings on boiler house, plant, ducts,

space and labour—showed that costs were comparable with oil-firing. If this is so it is most important, especially in crowded cities. Mr. Kell was unable to offer any effective views in reply.

So far the afternoon's proceedings had been rather somnolent and surprisingly little controversy was emerging.

Mr. John Bickerdike then gave a lively selective paper on lighting. The interest it aroused was evident in the discussion when Mr. Bickerdike was barraged with a lion's share of the questions—out of which he emerged unscathed and strengthened. On daylighting he welcomed the new form of control now being operated by the L.C.C. based on the daylighting principles devised by the B.R.S. and the M. of T. & C.P., which he said gave the architect the kind of freedom he had been needing for years. He deplored, however, the apathy of architects to these ideas which has resulted in so little practical application.

Mr. Bickerdike next made out a strong case economically for the deep office using supplementary artificial lighting, calling for a reassessment of the problem in view of the high efficiency of the modern fluorescent lamp. He supported his case by an example of a recent American office, the Mile High Centre at Denver, a 23-storey tower, measuring 127 ft by 152 ft in plan occupying only 25 per cent of the site. This building has some clerical spaces 75 ft deep and a ceiling height of only 8 ft 6 in. He stressed, however, that success was dependant upon high quality design.

Mr. Bickerdike then examined the phenomenal rise in illumination levels—made possible by the fluorescent lamp—and asked where it is leading us. He gave some rather staggering figures on costs showing that we are fast approaching the stage when the cost of light fittings alone will equal or exceed the cost of the structural frame; that the heat losses from the

lighting are likely to create a need for refrigeration. He warned the lighting industry that they are in danger of pricing themselves out of the market; that they are not supplying the architect with the right kind of lighting equipment, and that ultimately the answer to the problem lies in the close integration of lighting with the building fabric and the gradual elimination of fittings as we know them today.

Mr. Hope Bagenal followed with a paper on *Sound*, delivered in a manner described as "memorable" by the Chairman. Here Mr. Bagenal uncovered the sinews of the problem of noise in his own peculiarly searching witty manner. The need to plan against noise was his major point—the positioning of quiet rooms away from traffic and aircraft noise, the placing of rooms with similar noise levels together, noisy with noisy, quiet with quiet: the inefficiency of the present day demountable partitioning—the need for better insulation for buildings in quiet surroundings—the increasing menace of aircraft noise and the need to plan against it—and the dangers of noise on health and efficiency. The problems were extremely well set-out and for a short paper contained a considerable amount of really practical advice.

The last paper was by Mr. Felix Samuely on *Structure*. Mr. Samuely wisely regarded structure in offices as very much the slave of all the other factors—the need to keep it well out of the way was evident. He ran through a number of structural arrangements to illustrate his point and left the audience feeling that here was a most accommodating engineer.

The discussion which followed in the evening was lively and mainly directed at Mr. Bickerdike. One got the impression that the audience were looking for tangible facts to grasp and that these were lacking in the main papers.

The Symposium was a success and the Science Committee is to be congratulated.



The Barber - Greene 879a Tamping-Levelling finisher by Jack Olding & Co. Ltd., which lays all hot or cold bituminous material in 3 in increments to widths from 8 to 12 feet. It compacts, levels and screeds as it lays any thickness from $\frac{1}{4}$ in to 6 in. It has a 5 ton hopper and has a working rate (fed from lorries) of 100 tons per hour. Power unit: either petrol, diesel or vapourizing oil engines operating at 1200 r.p.m. Length: 15ft 2in, width: 10ft 4in, height: 9ft 5in (petrol) or 8ft 6in (diesel).

How-it-works

A FRIEND has suggested to me that the building industry should follow the practice of the motor-car, refrigerator, cooker and other engineering manufacturers and give to the owners of each new building a properly illustrated guide to their building on how it works and the steps and precautions needed to keep it in proper running order. I assume that he felt it was another duty which architects should perform, when one has been employed, or one which builders who sell directly to the public should fulfil as part of their bargain in supplying a house or other building. It strikes me as an admirable idea as a means of ensuring that many of the carefully thought out installations are not misused and are properly maintained. To prepare such guidance might be a rather overwhelming task and one which would be expensive to make; for to provide full user guidance for each job requires the preparation of a special document, due to absence of repetition on account of the lack of mass production of buildings although the conditions in a great many small houses are very similar.

If, however, to provide a full set of guidance instructions is not very possible there is every reason that a client should be provided, at the end of a job with a set of drawings which are a true, full and correct record of precisely what has been built and installed. In my youth it was the custom of at least one office in which I worked to prepare and send to the client at the end of the job an accurate set of drawings including a detailed drainage outlay, heating, hot and cold water, electricity and gas systems. Often these showed some surprising differences from the original drawings issued from the office, so much so that without the corrected drawings the client or subsequent repairers would not have found or understood the systems at all easily by working from the original drawings.

If even the foregoing suggestion is difficult to meet I feel that it is at least incumbent on contractors, sub-contractors and their fitters to label properly all stop-cocks, distribution boards, bell indicators and the like before they hand over the job, which unfortunately they frequently seem to omit to do nowadays. All larger jobs with ducts full of pipes, cables and similar engineering services should be left so that these services are properly marked and identifiable in an easy manner, because the original fitters

are so seldom available to identify services when breakdowns or alterations are required. In large buildings, such as factories, where engineers are employed, proper identification of pipes and services seems now to be fairly normal practice so why this should not be followed also in houses, offices and shops where the less knowledgeable have to seek out what is what, usually during an emergency. For example most bell indicators and fuse boards have spaces and even labels are provided but they are not filled in by the electricians; it is usually long after they have departed from the job when the owners and their staff want to make a repair, such as a blown fuse, only to find they have to try everything to find where the failure is.

As a means of identifying pipe lines and cables colour is often very useful and guidance on this matter is given in B.S.1710 "Colour identification of pipe lines". This document however, while being extremely useful in factories, chemical works and similar buildings with their numerous services to be identified, is not so readily applicable to other types of buildings, such as blocks of flats or offices or in shops because the standard provides insufficient standardized sub-divisions for each of the relatively few services used in most of these buildings. For example in buildings of these types it is useful to be able to differentiate between flow pipes and return pipes in hot water and central heating systems which often run side by side in a vertical duct. I would like to see introduced into the document standard coloured shaped metal and plastic labels for attachment to pipes, based on the agreed B.S. colours, as an elaboration of the provisions of Section 4 of B.S.1710. It would be an encouragement to the better labelling and marking of systems if it was possible to buy standard labels for use for domestic work for attachment to control valves, such as "main cold supply" and "main cold supply to heating" as it might also encourage plumbers to label these things permanently and thus avoid the need on entering a building to find out the purpose of each control valve.

I understand that some housing authorities attempt to give some guidance to their tenants but if frost damage is any criteria it seems to be only partially effective as one still hears of cases where the occupier does not even know where to find the main cold water stop-cock. Some general enquiries made recently among tenants on a housing site indicated in fact that

only relatively few tenants were reasonably aware of how and where to turn off water, gas and electricity supplies in an emergency or when a house was to be left unoccupied. The provision of such instructions should be most helpful but I would suggest that this is not sufficient and that in addition a special set of instructions should be handed to all building owners and occupiers reminding them of what to do in emergencies such as burst tanks, frozen pipes, a leak in the boiler or a lift stuck between two floors, as even in these days when quite a large number of persons have some clues as to what to do it is first necessary to know where to go in the particular building to do it while there are, of course, many who have no idea whatever of what to do. Unfortunately also troubles are frequently made worse because someone does a wrong thing, such as turning off the water supply to the hot water system without letting out the fire.

I have noticed that many suppliers of appliances installed in buildings provide good and well illustrated instructions. These are often in two parts, firstly as an aid to the installation of the appliances and secondly in the form of operating instructions but as these are both delivered with the apparatus at the time of installation the part relating to operation is frequently missing by the time the building is handed over, with the result that the operator has to chance his luck or his judgment to work the appliance correctly. This leads me to suggest the inclusion in specifications of a schedule showing all the operating instructions which need to be left on the site or handed over to a responsible representative of the owners. Such a schedule within the specification could easily be checked on completion of the job by the architect or the clerk of works. Properly thought out provision should also be made for the fixing of such operating instructions in a position convenient for reference by the operator of each piece of equipment, thus ensuring that the instructions remain permanently available.

While the many firms supplying appliances which are part of a complete system, for example a hot-water boiler, each provide full and excellent working instructions for their piece of the installation there still remains the need for working instructions for the system as a whole. I feel that it is this type of instruction or guidance which my friend suggested should be given to the occupiers of buildings. An examination of the problem might

disclose that much of the information is generally and widely applicable to installations of similar sizes so that it might consequently be possible for someone to prepare basic instruction books for installations of various sizes from which one could select the appropriate set and merely have to fill in certain particulars for each new building. This seems as if it might be a very suitable piece of work which the B.S.I. Codes of Practice Council should undertake. As an experiment it might be worth trying to see whether such an instruction book could be prepared for the occupiers of small house properties since these are likely to be the types of persons most needing guidance. It seems to be work which links up in many respects with the Code for Frost Precautions which it was recently said in the press is in preparation by the Codes of Practice Council.

Incidentally while on the subject of installations why is it that in the average house architects, builders, plumbers and fitters are so mean in their provision of stop-cocks on water systems. Generally these very essential controls seem to consist of one stop-cock to control the incoming cold water supply so placed as to be as inaccessible as possible, and another to control the cold water feed to the hot water system. Such meagre provisions are hopelessly inadequate as if there is the smallest piece of trouble it generally means that all the water in the building has to be turned off until the fault can be rectified, whereas with a reasonable distribution of stop-cocks the whole system can remain in operation except that small part in which the fault has occurred. The extra cost of a few more stop-cocks is really very small compared with the inconvenience caused by their omission.

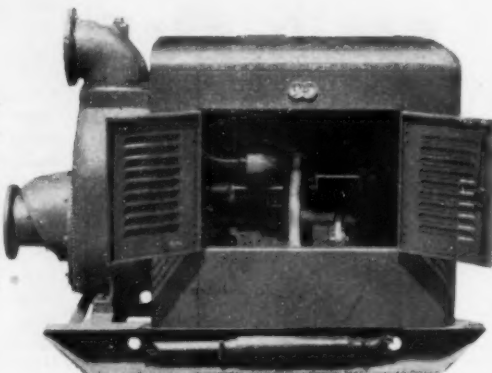
DUTCH UNCLE



The new Amman factory for the Aircscrew Co. and Jicwood Ltd. which was recently opened by the Duke of Buccleuch and Queensberry, P.C., K.T., G.C.V.O.

Industrial Notes

The Standard Motor Company have signed an agreement with Auto Diesels Ltd. whereby Standard Engines are to be distributed exclusively by them throughout the world. Right: a 6 in pump with a STAD engine



● Mechanical Handling (one of the Associated Liffe group of journals) is covering the 5th Mechanical Handling Exhibition and Convention with two special numbers—the May Exhibition Preview and the June Exhibition Report—both of which are 3s., as usual. The Preview number—published just previous to the opening day of the Exhibition on May 9—will contain a full list of exhibitors, plan of the Exhibition, details of times and subjects to be discussed at the Convention, plus all the normal features dealing with every aspect of industrial mechanisation. The Exhibition Report number, which is to be published on June 11, will contain details of the opening ceremony; fully-illustrated report of the equipment displayed; pictorial interviews with distinguished visitors; full Convention report, etc. Copies of these two special issues can be obtained from all newsagents, or direct from Dorset House, Stamford Street, London, S.E.1.

● Mr. Iain MacLeod, Minister of Labour and National Service, will open the 1956 Production Exhibition to be held at Olympia from May 23-31. Sir Leonard Lord, K.B.E., President of the Institution of Production Engineers, will be President of the exhibition. The main sections of the exhibition will cover: Scientific research; training and education for management and employee; work study; standardisation; manpower; new methods of manufacture; aids to production; automation; materials and metals; design for production and trade and technical press. The conference of

the Institution of Production Engineers is held in the exhibition.

● Raymond Chiswell and Associates, Public Relations—have moved to 92/94 Newman Street, London, W.1. Telephone Langham 4096/7.

● The Expanded Metal Co. Ltd. last week held their first London Exhibition at the Tea Centre in Regent Street. The exhibition, which included a selection of the wide variety of materials and finishes of expanded metal, was designed by Mr. R. H. Treleaven, F.R.I.B.A.

● Those members of the Glass Manufacturers' Federation, manufacturing hand-made crystal glassware, have collectively adopted a symbol both to denote their similarity of interest, and to focus attention on their products. The symbol shows the British Lion Rampant in the act of blowing, holding between his forepaws a blowing iron, the traditional tool with which hand-made crystal glassware is made. The whole is encircled by the words "G.M.F. British Hand-made Crystal." The manufacturers making this type of glassware in Britain today, are as follows: The Edinburgh & Leith Flint Glass Works, Stevens & Williams, Ltd., The Harbridge Crystal Glass Co. Ltd., The Stourbridge Glass Co. Ltd., James Powell & Sons (Whitefriars) Ltd., Stuart & Sons Ltd., Thos. Webb & Sons, and Webb Corbett Ltd.

● The United Steel Companies Limited announce that Mr. S. R. Howes, at present Director and General Manager of Samuel Fox and Company Limited, of Stocksbridge, is to retire on 30th June next. He will remain on the Board of Samuel Fox and Company Limited. Mr. Howes will be succeeded by Mr. H. P. Forder, at present Director and Deputy General Manager of the Branch.



New symbol of the manufacturers of crystal glassware who are members of the Glass Manufacturers' Federation.

NEW PRODUCTS

The latest range of fluorescent fittings, by the Stella Lamp Co. Ltd. is illustrated on the right. The finish is white stove enamel and all are fitted with a high power-factor tapped ballast, 200v to 250v in 10v steps. Fig 1 shows model 485 which has a half-angle reflector and is available for 4 and 5ft (No 605) tubes. Fig 2, No 603, an industrial trough, also available for 4 and 5ft (No 483) tubes. Fig 3, No 602, a ceiling vee-fitting, also suitable for suspension, in both 4 (No 482) and 5ft sizes. Fig 4, No 481, a 4ft ceiling batten which can be suspended. Fig 5, a 5ft ceiling batten fitting, also for suspension, No 601, and Fig 6, No 604, a 5ft industrial trough with slotted light reflector, also in 4ft size, No 484.

★

One of the more luxurious electrical fittings is the automatic garage door opener and closer. Both up-and-over doors and ordinary side hung types are catered for. One of the latter is the Sesame garage door operator, manufactured by Andrew Wise Ltd. The mechanism is operated by a press-button control unit installed at a convenient point on the drive. The button has a key-switch to prevent unauthorized operation. Closing is effected in the same way and several push-buttons can be installed at various positions. It is claimed that it can be owner-fitted.

★

Among the oil burner exhibits on the Shell-Mex and B.P. stand at the Factory Equipment Exhibition at Earls Court were the three models shown at the bottom of the page. Fig 7 is the C.T.C. type A fully automatic pressure-jet burner for heavy oils. This burner is suitable for central-heating boilers with ratings from 400,000 to 800,000 B.T.U./hr. Other sizes are available, from C.T.C. Heat (London) Ltd. In the centre, Fig 8, is the Carat Model CGBH1, also a fully automatic pressure jet burner for heavy oils for the same range and purpose as the previous model. Fig 9 shows the Hydra Minor power-driven rotary spinning-cup burner for central heating boilers with ratings from 133,000 to 707,000 B.T.U./hr. This burner can be

arranged for fully or semi-automatic operation and is suitable for heavy oils. Other sizes are also available.

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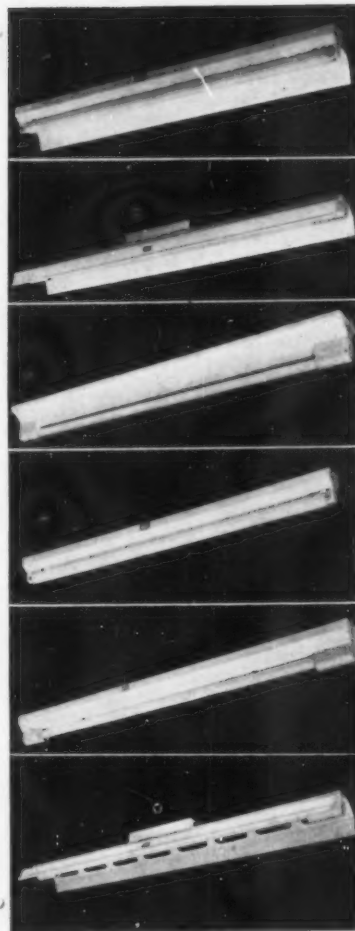
Perhaps the most frequent cause of accidents arising from the use of portable electrical tools is that of faulty earth connection, and it is generally acknowledged that maintenance and testing should give special attention to earth continuity. It is, however, particularly important to ensure that continuity not only exists but the earth path is capable of carrying the full fault current likely to be experienced, which can only be verified by subjecting the circuit to a heavy current test. The Briticent Full Load Earth Continuity Tester has been designed to do just this. It will at once indicate a wrongly connected earth wire, or one where the resistance is high; the tool being in a condition which is unsafe for use. By the British Central Electrical Co. Ltd.

★

Now on the market is a new fire-protective, water resistant plaster-board sarking, which is intended to be used in roof structures where it will provide good thermal insulation. The board, which has been developed by Gyproc Products Limited, a member of the Gypsum Building Products Association, is $\frac{1}{2}$ in thick, with aluminium foil on one face, a highly water resistant core and a water resistant paper liner on the other side. The aluminium foil will face the roof space. Calculations show that a roof consisting of tiles on battens on $\frac{1}{2}$ in water resistant plasterboard sarking, with a ceiling of insulating gypsum plasterboard and building paper over joists, has a "U" value of 0.19. It is hoped to develop this type of water resistant product as a sheathing in wall structures, particularly those of the timber-framed type.

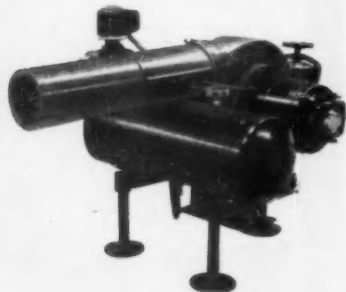
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Several new "Dimplex" products will be displayed on Stand No E.3 at the British Electrical Development Association's Electrical Exhibition. The display will include three new products, a permanently oil filled electric towel rail, a permanently oil filled electric airing cupboard heater and an electric skirting board heater.

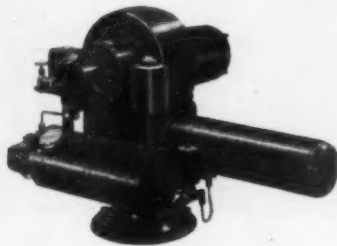


A new range of air compressors working on the Hydrovane principle have just been introduced by the Hymatic Engineering Co. Ltd., to replace their existing range of reciprocating type mobile sets. Providing displacements of up to 40 c.f.m. at working pressures up to 100 lb/sq.in, the new models are powered by 4-stroke petrol engines or electric motors.

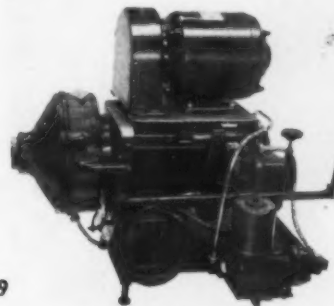
The only moving parts in the Hydrovane design are a slotted rotor with sliding vanes running in an oil bath.



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New Products

Ernest Batley Limited, of Coventry, originators of the Batley Portable Concrete Garage, announce a new asbestos roof which has been exclusively designed for Batley Garages. The roof sheets are ribbed for strength, turned down at the eaves to give added protection against weather, and incorporate an overlap at the apex of the roof to eliminate the need for ridge tiles. Barge boards on the front and rear beams complete the assembly and give all round protection. This new roof is simple to fit, the sheets being "tailor made" for Batley Garages.

Among the many electrical fittings recently introduced by the Edison-Swan Electric Co. Ltd. is this surface metalclad switch socket outlet, Fig 1.

A material, used for thermal and acoustic insulation has recently been introduced into this country by Germany. Known as Basalan, it is a long fibred rock wool manufactured from igneous rock and is rot proof, odourless and non-hygroscopic. It is used at a density of 7.1 lbs per cu ft which gives the optimum of insulation. The thermal conductivity coefficient is 0.23 B.Th.U's at normal atmospheric conditions and temperatures. Basalan, is available in 12 different types of quilts and batts of various thicknesses, and a unique feature is that it may be supplied in mats without any bonding and stitched mats without any bonding.

The Falco-Freedom E.C. 20 electric cooker, Fig 2, is made by Falco Electrical Appliances Ltd., a member of the Allied Iron Founders Group. Size

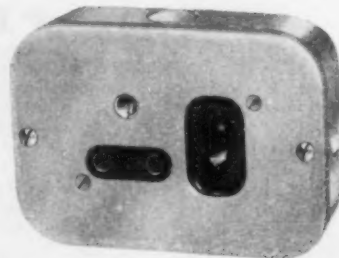
36in high to the working surface, 22½in wide, 19½in deep. It includes electric timing control for the oven.

A new space heating system by A.&R. Electric Co. Ltd. consists of a spiralled nickel-chrome electric element in a tough heat resisting glass tube. The element operates at black heat. The loading per foot can be varied by varying the diameter of the wire or the total length of the tubular heater in one series circuit of the system. Loading varies from 25-200 Watt per foot run. The glass tubes may be bent to go round corners or to conform to the shape of any particular feature.

The new Prestcold D.361 refrigerator, Fig 3, conforms with all appropriate British Standards. The working surface and the plinth are available in 6 different colours, the cabinets, either white or cream, giving a choice of 48 different colour combinations. Capacity 3.6 cu ft. It uses approximately 1 unit of electricity per day.

Nylon compression fittings for jointing plastic tubing are being imported from Norway by Dahl Brothers Ltd. They are available in sizes from ¼in to 2in in dia. They have hexagonal ends and the usual threads. The male and female portions and the compression ring are a pearl or translucent white colour.

The new Envoy Gas cooker by Sidney Flavel & Co. Ltd., Fig 4, has push-turn safety plastic taps and controls in a choice of 6 colours. The main body is available in either ivory or white. Either short or tall splashbacks are available, the short splash-

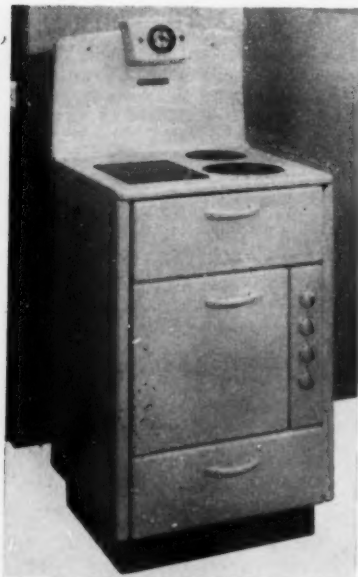


back is a four-hour timer, the tall splashback includes a double plate rack.

Bahco spanners were patented as far back as 1892. The latest introduction, the 969 series of adjustable spanners have long, particularly thin tapered jaws and are supplied in Parkerized or chrome plated finish. Made in 5 sizes with jaw span of ¼in to 1½in, the jaws are at an angle of 15deg.

A new liquid floor coating known as Can-tile by the Dohm Group of Companies is a surfacing material for use on concrete, stone and bituminous floors, roofs and walls. It is suitable for indoor and outdoor use. It can be brushed or sprayed and is touch dry under normal conditions in 15-25 minutes. It is available in tile red, battle grey or white.

Hurseal Ltd., are marketing a towel rail attachment to fit their TV½ and TV¾ kW panel type oil filled radiator. Clip on and detachable, it can also be supplied with open ends to fit any length of radiator. It has an overall length of 52 inches, and is available in the Hurseal range of stoved enamel colours or in Heavy Chrome.



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CURRENT MARKET PRICES (LONDON)

(These prices apply to material purchased in the quantities named or otherwise as might be expected)
for a new building of moderate size.)

15 April, 1956

AGGREGATES AND SAND

1½ inch—all in—ballast	23/8	Yard cube
1 inch do.	26/10	delivered
1 inch screened shingle	21/1	(in five yard
1 inch do. do.	22/3	loads or
¾ inch granite chippings	45/-	more)
Sharp washed sand	24/2	
Pit sand	21/9	
Building sand	21/9	
Broken brick	18/6	
1½ inch shingle	22/-	
Cartage of muck	8/-	

BUILDING MATERIALS AS DESCRIBED, CENTRAL LONDON

CEMENTS packed in paper bags		Per ton
Portland in 6 ton lots .. ..	..	101/6
Do., from 1 ton to 5 tons 19 cwt. do .. ..	..	113/6
Do., Rapid hardening (6 ton lots) .. ..	..	112/-
Do. (but 1 ton to 5 tons 19 cwt.) .. ..	..	124/-
Cement "Aquacrete" (do.) .. ..	..	146/-
Do., "417" or "Polar" (do.) .. ..	..	146/-
Do., "White" 1 ton (lots) .. ..	..	262/-

LIME—	132/-	(1 ton loads) deliv'd
Hydrated .. including ..	129/6	(2/3 do.) do.
and .. paper ..	119/6	(4/5 do.) do.
Ground .. bags ..	117/6	(6 do.) do.

PLASTER—

Keenes, coarse, pink (2 ton lots)	206/3	ton
Do. do. white (do.)	212/3	do.
Sirapite, do. (2 ton to 3 ton 19 cwt lots)	150/-	do.
Do. finish (do.)	158/-	do.
Hardwall, do. (do.)	161/6	do.
Plaster, coarse, pink (do.)	147/9	do.
Do. do. white (do.)	156/-	do.
¾ in Plaster baseboard (25 to 75 yards)	3/-	Yard Sup.
¾ in Do. (150 to 299 yards)	2/8	do.
3½ in Jute scrim (100 yd roll)	8/10	each
Cow hair (under 3 cwt)	97/6	cwt

FIRECLAY—

Stourbridge, loose (1 ton lots)	168/9	ton delivered
Fire cement	12/3	14 lb

BRICKS

BACKING BRICKS (in truck loads)—

Flettons	113/-	per 1,000	delivered
Do. Keyed	115/-	do.	
Do. bullnose	133/-	do.	
Blue wirecuts	510/6	do.	
White	192/-	do.	
Southwater engineering (No. 1)	379/-	do.	
Firebricks—2½ inch	72/6	per 100	delivered
Do. —3 inch	89/6	do.	

STOCK BRICKS—

Mild stocks	181/6	per 1,000	at Works
Second, do.	216/-	do.	
First, do.	237/-	do.	
Add for delivery—approx. 45/- per 1,000 in lorry loads			

FACINGS (ex truck or lorry)—

Rustics	138/-	per 1,000	delivered
White	210/-	do.	
Blue pressed, 2½ in	562/-	do.	
Do. bullnose	576/-	do.	
Reds (Multi sand faced)	310/-	do.	
White glazed stretchers	1504/-	do.	
Do. headers	1480/6	do.	
Do. bullnose	1880/-	do.	
Do. double stretchers	1997/6	do.	
Do. double headers	1821/3	do.	
Breeze fixing bricks	29/-	per 100	
Fire tiles and lumps	33/-	foot cube	
Wall ties—8" × ½" × ½", black	71/3	per cwt	
Cement mortar (1 : 3) hand-made	92/-	yard cube	

BRICKLAYERS' SUNDRIES—

AIR BRICKS		9 × 3in	9 × 6in	9 × 9in	12 × 9in
Iron	each	2/1	3/5	5/2	6/10
Galvanized do.	do.	3/6	6/-	9/-	12/-
Terra Cotta	do.	1/3	2/7	5/6	10/10
Chimney pots, Terra	1ft	2ft	3ft	4ft	
Cotta (11 to 25) do.	7/3	12/8	28/9	49/9	

PARTITIONS—

18in × 9in Blocks keyed for plastering	2in	2½in	3in
Per yard super in 6 ton lots	3/9	4/4	5/3
In solid clinker including any half blocks	3/11	4/7	5/3
In cellular clinker blocks	4/4	4/7	5/4
In hollow clay blocks			

Clinker blocks in small quantity .. 5/7 6/7 7/11
Intermediate quantities in all types may be had at intermediate prices.
Smooth in lieu of keyed faces extra cost per side 3d. per yd super

SINKS—

Fireclay white glazed in and out—standard quality			
	24 × 18in	30 × 18in	30 × 20in
London pattern, no overflow, 6in deep	69/6	86/6	96/-
Belfast, plain edge, 10in deep	83/3	137/6	185/6

FLUE, LININGS, PLAIN, CIRCULAR (FIRECLAY)—

		Foot lineal	Each
		Straight	Bends
9in diameter .. ..	..	3/11	11/9
10in do. .. ..	..	4/11	14/9
12in do. .. ..	..	9/5	28/3
9in diameter, beaded end, 12in high .. ..	..		5/4

FLUE PIPES AND FITTINGS—

		4in	5in	6in
Heavy asbestos type, 6ft length .. ..	..	16/6	22/-	28/-
Do. 3ft length .. ..	..	8/3	11/-	14/-
Do. bends .. ..	..	6/2	7/10	9/4
Light asbestos type, 6ft length .. ..	..	13/6	17/-	22/-
Do. 3ft length .. ..	..	6/9	8/6	11/-
Bends .. ..	..	4/10	6/1	7/5
Baffler .. ..	..	13/4	15/10	16/8

DRAINAGE GOODS

GLAZED STONEWARE STANDARD LIST

		4in	6in	9in
ORDINARY TYPE—EACH				
Pipes in 2 feet lengths .. ..	..	1/8	2/6	4/6
Bends .. ..	..	2/6	3/9	10/1½
Junctions (4in on 4in, 6in on 6in, 9in on 9in) .. ..	..	4/2	6/3	13/6
Gullies with 4in outlets .. ..	..	6/3	6/10½	11/3
4in horizontal inlets .. ..	..	2/-	3/-	5/-
4in vertical ditto .. ..	..	3/-	4/-	7/-
Black iron grids .. ..	..	9d	1/5	2/9

Adjustment to Current Cost

		2 ton lots or more	100 pieces or more	Under 100 pieces
"Best" pipes and fittings. Percentages to add .. ..	..	85%	117½%	130%
Further percentages to be independently added in respect of: British Standard pipes, etc., 10. "Best" Tested pipes, 37½. British Standard Tested, 47½.				

IRON DRAINAGE GOODS—

		4in	6in
Each			
Cast iron pipes, 9 feet long .. ..	..	73/3	108/-
Do. 6 feet do. .. ..	..	52/8	82/-
Do. 4 feet do. .. ..	..	40/8	63/6
Do. 2 feet do. .. ..	..	24/10	37/8
Short bend .. ..	..	17/1	45/3
Junction .. ..	..	30/3	63/3

CURRENT MARKET PRICES (Continued)

DRAINAGE GOODS—Continued

GULLEY PARTS—		4in	6in	
Traps, high level, invert .. ..	..	30/3	82/-	each
Inlet, bellmouth pattern .. ..	..	16/-	31/11	do.
Do. with one vertical branch .. ..	..	27/10	52/3	do.
Do. with two do. .. ..	..	75/5	109/9	do.
Extra for Sealed cover .. ..	..	9/8	12/5	do.

RAINWATER SHOES		4in	6in	
With vertical inlet and rebated top .. ..	..	39/8	79/-	each
Extension piece, 6in high .. ..	..	20/11	20/11	do.
Flat loose coated grating .. ..	..	4/2	4/2	do.
Loose solid coated cover .. ..	..	5/6	5/6	do.

MANHOLE CHANNELS, WHITE GLAZED—		4in	6in	9in
Each .. ..	..	16/6	24/3	40/9
Straight, 2 feet long .. ..	..	27/6	27/6	41/9
Taper, ditto .. ..	..	32/-	46/3	76/-
Bends, main, half section .. ..	..	19/9	27/6	—
Ditto, branch, ditto .. ..	..	27/6	44/-	—
Ditto, ditto, three quarters, ditto .. ..	..	26/6	46/3	—
Junctions, single .. ..	..	36/3	62/9	—
Ditto, double .. ..	..	—	—	—

BROWN GLAZED CHANNELS—		4in	6in	9in
Based on standard list (less than 100 pieces)				
Half-round main channel (2ft long) .. ..	..	2/9	4/2	7/4
Extra for stop ends .. ..	..	2/9	4/2	7/4
Extra for outlets .. ..	..	5/5	8/2	—
Channel bends with splayed ends .. ..	..	8/2	12/3	—
Three-quarter section do. .. ..	..	10/10	16/4	—

MANHOLE COVERS—		Black	
24 × 18in Light foot traffic .. ..	..	29/6	each
Do. Strong do. .. ..	..	51/-	do.
Do. Light car traffic .. ..	..	105/-	do.
Do. Road traffic .. ..	..	160/-	do.

SUNDRIES—		Galvanised	
Manhole steps .. ..	..	8/2	each
4in Mica valve fresh air inlets .. ..	..	14/6	do.
(L.C.C.) .. ..	..	7/3	per lb.
Plumber's hemp .. ..	..	1/5½	do.
Gaskin, caulking .. ..	..	9d	per ft run
Canvas backed hair felt, 4in wide .. ..	..	—	—

ROOFING MATERIALS

WELSH SLATES (delivered)—		Full Loads	Quantity	
Sizes in inches		per 1,000	100 to 499	1 to 99
22 × 11 .. ..	..	2070/-	280/-	37/-
20 × 10 .. ..	..	1828/-	250/6	33/-
18 × 10 .. ..	..	1312/-	173/6	23/-
16 × 10 .. ..	..	1080/-	138/-	18/3
14 × 9 .. ..	..	820/-	94/9	12/6
14 × 4½ .. ..	..	367/-	42/3	5/6

TILES (Brosley and Staffordshire)—		per 1,000	per 100
10½ × 6½ Machine made .. ..	..	280/-	39/-
Do., hand made, sand faced .. ..	..	350/-	46/9
Hips, valleys and angles .. ..	..	31/-	per dozen
Plain concrete tiles .. ..	..	177/-	19/6

Sheeting asbestos corrugated, 6in pitch .. ..	..	7/4½	yard super
4½in × 16 gauge, drive screws (galvanized) .. ..	..	17/-	gross
7½in × ½ hook bolts and nuts (do.) .. ..	..	51/6	do.
Washers, round, flat galvanized .. ..	..	4/9	do.
Do. do. bituminous .. ..	..	2/-	do.

ROOFING FELT—		1/-	Yard Super
Sanded bitumen felt (55lb) .. ..	..	1/6	do.
Ditto, but 75lb in weight .. ..	..	3/-	do.
Inodorous felt, best quality .. ..	..	2/4	do.
Ditto, second quality .. ..	..	1/8	do.
Underlining .. ..	..	1/8	do.
Sheathing .. ..	..	2/-	lb.
Galvanized felting nails .. ..	..	—	—

PRECAST CONCRETE LINTOLS—

1 : 2 : 4—¾in material, finished with fair exposed faces, including all form-work, and one ½in diameter mild steel rod reinforcement to each 4½in in width.

Per foot lineal delivered to site

4½in × 6in	9in × 6in	9in × 9in	13½in × 9in	18in × 9in
4/-	6/-	7/8	9/6	11/6

STONE

PER FOOT CUBE in random blocks not exceeding 20ft cube in each, free on rail London.

Monks Park 8/- St. Aldhelm 9/-.

Portland brown Whitbed 8/3½

Other stone but delivered to sites. Doultling 8/9, Beer 8/3

TIMBER

Softwood—sawn—random lengths.

	Per Standard	Per cubic foot
Carcassing quality	£105	12/8
Joinery quality	£120 and up	13/4
Plain edged unsorted flooring, per square	¾in 90/-	1in 110/-
	1½in 138/-	1¾in 165/-

¾in insulating wall board (250 yards) 4/3 yard super
Larger quantities cost less, and smaller quantities more.

SUNDRIES—		Dia.	3in	6in	9in
Black hexagon bolts, nuts and washers. Each .. ..	..	¾in 7d	10d	1/-	1/6
Sashline, hemp, good quality .. ..	..	¾in 11d	1/2	1/6	2/-
Per Yard Run .. ..	..	1/3	1/8	2/-	—
Floor brads .. ..	..	No. 6 9d	No. 8 1/1	No. 10 1/4	—
Cut Clasp Nails .. ..	..	—	71/-	per cwt	—
Steel ordinary screws .. ..	..	—	73/-	per cwt	—
Brass, ditto .. ..	..	1" No. 8 3/-	2" No. 8 5/2	—	per gross
	Do.	10/8	Do.	18/9	—

HARDWOOD—

	Per ft	super	Per
Prime	¾in	1in	ft cube
African mahogany	2/4	2/6	28/-
Honduras ditto	3/3	4/-	50/-
Portuguese Guinea ditto	3/1	3/3	36/-
African walnut	2/5	2/7	29/-
Australian ditto	5/6	5/10	65/-
English oak	4/3	4/6	50/-
Yugoslavian ditto	3/4	3/7	40/-
Burma and Siam Teak	5/-	5/9	65/-

DOORS.—STANDARD TYPE SOFTWOOD

Each in quantities 12 or more.

1½in finish, 4 horizontal panels moulded both sides 6ft 6in high.

2' 3" wide 41/-

2' 6" do. 42/3

2' 9" do. 44/6

FLUSH DOORS, 1½in thick, ply faced both sides, lipped edge.

All 6ft 6in high.

2' 3" wide 47/6

2' 6" do. 49/6

2in (nominal) as last but upper panel prepared for glazing

2' 6" wide 59/-

2' 9" do. 62/-

2in (ditto) all as above but in 3 panels.

2' 6" wide 55/9

2' 9" do. 58/3

2in (ditto) all as above but in 2 panels.

2' 6" wide 51/3

2' 9" do. 53/6

IRONMONGERY

	2in	3in	4in	5in	6in
Cast iron Butts, per pair	1/1	1/9	2/9	5/1	7/3
Hinges, spring, single action regulating, japanned, each	—	8/-	12/-	15/3	21/-
Do. but double action spring only, each	—	16/6	21/-	25/9	33/9
Do. blank only, each	—	8/9	12/-	17/9	21/6

CURRENT MARKET PRICES (Continued)

IRONMONGERY—Continued

	12in	18in	24in	30in	36in
Tee hinges, (japanned)					
per pair ..	2/-	3/10	—	—	—
Do, but stronger, per pair ..	3/4	6/1	8/3	—	—
Hook and Ride hinges, per pair ..	—	—	13/4	16/3	24/10
BOLTS —each—	3in	4in	6in	8in	10in 12in
Cabinet, barrel, straight or necked ..	1/4	1/7	2/1	—	—
Square spring, with brass knob ..	1/4	1/7	2/1	—	—
Tower bolts ..	—	1/8	2/5	3/3	4/- 4/10
Barrel bolts ..	—	2/9	3/11	5/2	6/7 8/1
Add to Tower or Barrel bolts if necked ..	—	1/4	1/4	1d	1d 1d
LOCKS —each—					
Rim lock, 2 lever, wrot case brass bolt and bushing	12/9	Brass furniture	..	..	3/6 or Bakelite do. 3/3
Mortice lock, 2 lever, bushed	12/9	Brass furniture	..	..	8/9 or Bakelite do. 3/10
Cylinder latches, japanned case	..	..	..	..	16/-
Brass sash fastener	..	..	..	..	each 5/-
Casement fasteners (malleable)	..	..	..	..	do. 1/6
Do. stays (do.)	..	..	..	..	do. 2/-
Axle pulleys (brass face, iron wheel)	..	..	..	..	do. 4/7
Do. as last, but with brass wheel, 1 1/2in	..	..	..	..	do. 5/9
Sash line, No. 8 Anchor yellow label	..	..	..	..	per yard 1/-

METAL GOODS

British rolled steel joists ex mills to basis sections on site (6in x 5in, 8in x 5in or 6in, and 10in or 12in x 6in) ..	£34/0/0	per ton
Extra cost over basis for following sections—		
9in or 18in x 7in, 14in x 5 1/2in, 15in x 5in, 14in or 15in or 16in or 18in x 6in, 20in x 6 1/2in, 20in x 7 1/2in, 10in or 12in or 14in or 18in x 8in ..	10/-	per ton
5in x 4 1/2in, 7in x 3 1/2in, 13 x 5in ..	15/-	do.
12in x 5in, 22in x 7in ..	20/-	do.
6in x 4 1/2in, 7in or 8in or 9in x 4in, 10in x 5in ..	25/-	do.
4in x 3in, 10in x 4 1/2in ..	30/-	do.
5in x 2 1/2in, 5in x 3in ..	35/-	do.
6in x 3in, 24in x 7 1/2in ..	40/-	do.
3in x 3in ..	50/-	do.
4 1/2in x 1 1/2in ..	65/-	do.
3in x 1 1/2in, 4in x 1 1/2in ..	70/-	do.
1/2 mild steel reinforcing rods ex mill d/d	£35/10/0	do.
Extras per ton		
1/8 in diameter in size ..	59/6	per ton
1/4 in ..	72/-	do.
3/8 in ..	92/-	do.
1/2 in ..	132/-	do.
5/8 in ..	172/-	do.
3/4 in ..	192/-	do.
Extras for length		
5ft to 3ft ..	7/6	do.
3ft to 2ft ..	15/-	do.
2ft ..	22/6	do.
40ft to 45ft ..	15/-	do.
45ft to 50ft ..	22/5	do.
Bolts and Nuts ..	90/-	per cwt
Trench covering, including trays and rebated frames, 9in wide ..	23/-	foot run
Do., but 12in wide ..	24/9	do.
Do., but 14in wide ..	27/-	do.
Do., but 18in wide ..	35/6	do.

METAL SUNDRIES

Cast iron pavement light filled with 4in x 3in glass lenses ..	32/-	per ft super
1 1/2in wrought iron plate door in four panels with stiles and rails on both sides ..	50/-	do.
20 gauge galvanized iron trunking and straps ..	6/-	do.
24 gauge galvanized Tallboy 6ft high 9in diameter with 9in x 12in base ..	57/6	each

CHAIN LINK FENCING—

In 25 yards lineal rolls inclusive of line wire, Height in inches—				
2in mesh	36	42	48	60 72
10 1/2 wire gauge ..	99/-	115/6	132/3	164/9 198/-
12 1/2 do. ..	69/9	81/3	93/-	116/3 139/-
14 1/2 do. ..	50/-	58/-	66/6	83/- 99/6

DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turnbuckle and cast key ..	9in x 9in 19/6	12in x 9in 28/9	14in x 12in 49/6
--	----------------	-----------------	------------------

SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100 square feet with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete ..	15/6	foot super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete ..	12/-	do.
Steel partitioning, glazed (rough cast) and stove enamelled ..	18/6	do.

STEEL ROOF LIGHTS—

Lanterns with vertical sides, and hipped roof glazed with 1/2in cast glass and lead flashed ..	14/-	foot super
Skylights of similar construction (27ft super) ..	20/-	do.

HIGH GRADE DOMESTIC BOILERS

Coke Fed. Performance 20 to 40 gallons raised from 40°F to 140°F per hour as under.

TYPE	Plain cast iron black finish	£ s. d
20 gallons per hour 15in wide, 23in high	..	9 0 0
25 gallons per hour 19in wide, 22in high	..	13 0 0
40 gallons per hour 22in wide, 23in high	..	18 5 0
	..	24 13 0

GAS, WATER AND STEAM TUBES

(From Standard-List)

Internal Diameter—	1/2in	3/4in	1in	1 1/4in	1 1/2in	2in
Tubes per ft	4d	4 1/2d	5 1/2d	6 1/2d	9 1/2d	1/1 1/4 1/10
Bends each	8d	9d	11d	1/2 1/7 1/2	2/7 1/2	3/2 5/2
Elbows, sq. do.	10d	11d	1/1 1/3	1/6 2/2	2/7 4/3	
Do., round do.	11d	1/-	1/2 1/5	1/8 2/4	2/10 4/8	
Tees .. do.	1/-	1/1 1/3	1/7 1/10	2/6 3/1	5/1	
Crosses .. do.	2/2	2/4 2/9	3/3 4/1	5/6 6/7	10/6	
Backnuts .. do.	2d	2d 3d	3 1/2d 5d	6d 8d	1/1	
Sockets .. do.	3d	3d 4d	5d 6d	8d 10 1/2d	1/3	
Sockets, dimin. .. do.	4d	5d 6d	7d 9d	1/- 1/4	2/-	

PERCENTAGES ON OR OFF ABOVE

In quantity and in random lengths.

TUBE—	Class A (light)	Class B (medium)	Class C (heavy)
—12 1/2%	Black	+9%	Galvanized
—2 1/2%	Do.	+20%	Do.
+12%	Do.	+37%	Do.
FITTINGS—			
Lightweight	+22%	Black	+35%
Heavy	+30%	Black	+45%

RAINWATER GOODS (Painted or Unpainted)

In consignments of 5 cwt. and over

From Standard List

Pipe:	2in	3in	4in	5in	6in
6ft lengths ..	each 12/10	14/5	18/11	24/8	31/6
3ft do.	7/-	7/9	10/-	16/6
Shoe, ordinary	2/7	3/10	5/7	9/5
Bend	3/1	4/4	6/3	11/3
Branch, single	4/6	6/7	9/3	14/7
Offset, 4 1/2in	3/9	5/3	7/9	12/11
Do. 9in	4/11	6/6	9/8	15/3
H.R. gutter, 6ft. length	—	6/-	8/5	10/4
Angle or nozzle	—	2/6	3/1	3/9
Stop end	—	9d	1/1	1/6

Above plus 10%

CURRENT MARKET PRICES (Continued)

PLASTERING MATERIALS

Sand, lime, cement and various plasters are previously included under those heads—

Metal lathing ($\frac{3}{8} \times 24G$) (20 yards) ..	3/8 $\frac{1}{2}$ sq. yard
Plaster baseboard $\frac{3}{8}$ " (300 to 599 yards) ..	2/6 do.
Lath nails, galvanized ..	1/2 lb.
White glazed tiles ($6 \times 6 \times \frac{1}{4}$) ..	18/6 sq. yard
Do. rounded on one edge } small	22/6 do.
Do. on two adjoining edges } quantity	27/- do.

PLUMBER'S GOODS

4 lb. lead sheet (in 1-ton lots) ..	157/9 per cwt
Lead water pipe in coils (do.) ..	159/- do.
Plumber's solder ..	4/1 lb.
Copper tacks ..	6/9 do.

IRON SOIL AND WASTE PIPE. (5cwt lots and up)

	2in	3in	3 $\frac{1}{2}$ in	4in
$\frac{1}{8}$ in Medium pipe, 6ft length ..	14/6	17/2	19/3	21/11
Ditto, 4ft length ..	10/5	12/2	13/7	15/5
Bends ..	5/4	6/6	8/1	9/1
Ditto, with oval door ..	17/4	18/6	21/1	24/7
Junction, single ..	6/6	9/8	11/3	13/3
Ditto, with oval door ..	18/6	21/8	24/3	26/3
Swan necks, 4 $\frac{1}{2}$ in ..	6/6	10/3	11/9	13/9
Ditto, 9in ..	8/8	11/9	13/9	16/1
Holderbat, 2 $\frac{1}{2}$ in projection ..	4/11	5/1	5/4	5/6

Above plus 10%

GALVANIZED CISTERNS, TANKS AND CYLINDERS—

(Less than four) each gallons

CISTERNS—

	100	150	200	300
Bends over tops and corner plates. Riveted or welded				
14 gauge ..	180/-	243/-	296/-	424/-
12 gauge ..	208/-	277/-	328/-	456/-
$\frac{1}{2}$ in plate ..	246/-	310/-	372/-	522/-

HOT WATER TANKS—

	20	25	30	40
Riveted and with handhole and ring.				
12 gauge ..	124/-	137/-	150/-	180/-
$\frac{1}{2}$ in plate ..	137/3	151/-	163/-	199/3

HOT WATER CYLINDERS—

	20	25	33	39
Riveted, with handhole and ring.				
12 gauge ..	160/-	176/-	189/-	204/6
$\frac{1}{2}$ in plate ..	177/-	195/6	214/-	226/6

PLUMBER'S BRASSWORK, etc. Each

	$\frac{1}{2}$ in	$\frac{3}{4}$ in	1in	1 $\frac{1}{2}$ in
Boiler screws, single nut ..	1/7	2/1	3/5	5/1
Ditto, double nut ..	2/2	2/10	4/8	6/10
Cap and lining ..	1/2	1/7	2/-	2/3
Plumber's unions ..	2/7	3/2	4/6	8/-
Ball valves, screwed iron ..	15/10	23/9	—	—
Ditto, fly nut and union ..	17/1	25/6	—	—
Bib valves, crutch top				
screwed iron ..	10/3	15/-	—	—
Ditto, but screwed boss ..	11/6	16/9	—	—
Stop valves, screwed iron ..	8/9	12/9	—	—
Ditto, screwed iron and union ..	10/9	16/3	27/-	—
Ditto, double union ..	11/6	17/-	31/3	—
Waste, plug chain and stay ..	—	—	8/-	9/-
Caps and screws ..	3/1	3/10	5/6	—
Sleeves, long ..	—	—	7/8	11/1
Ditto, short ..	—	3/10	4/3	10/6
Thimble ..	—	3/10	4/10	10/7
Full way gate valves, hot pressed ..	21/9	30/6	—	—
Lead 7 lb P. trap ..	—	7/10	10/3	14/6
Ditto, S. trap ..	—	9/8	12/8	17/10
Lead 6 lb P. traps with 3 in seal ..	—	8/9	10/7	—
Ditto, but S. traps, ditto ..	—	10/11	13/3	—
Wire balloon guards, copper, 2in 3/1; 4in 3/4				
Ditto, galvanized iron, 2in 1/11; 4in 2/1				
Hair felt, 34in \times 20in, 24 oz, 6/- sheet				
Boss white jointing compound, 2/- lb				
Gaskin, 1/5 $\frac{1}{2}$ lb Hemp, 7/3 lb				

COPPER TUBES—Extract from B.S. 659/1944—

Nominal bore	Outside diameter inch	Gauge	Weight lb per ft	Price per lb pence	3 cwt lots Price per ft pence
$\frac{1}{2}$ in	0.596	19	0.27	59 $\frac{1}{2}$	15.97
$\frac{3}{4}$ in	0.846	19	0.39	57 $\frac{1}{2}$	22.43
1 in	1.112	18	0.62	56	34.72
1 $\frac{1}{2}$ in	1.362	18	0.76	55 $\frac{1}{2}$	42.09
2 in	1.612	18	0.91	55 $\frac{1}{2}$	50.40
2 $\frac{1}{2}$ in	2.128	17	1.40	57	79.80

CAPILLARY TYPE CONNECTIONS—

All ends copper to copper						
Each	$\frac{1}{2}$ in	$\frac{3}{4}$ in	1in	1 $\frac{1}{2}$ in	2in	2 $\frac{1}{2}$ in
Straight ..	1/10 $\frac{1}{2}$	2/7 $\frac{1}{2}$	4/1 $\frac{1}{2}$	5/5 $\frac{1}{2}$	7/4	10/6
Bends ..	4/10 $\frac{1}{2}$	6/-	8/7 $\frac{1}{2}$	11/10	18/7	27/2
Tees ..	4/6	5/3	8/5 $\frac{1}{2}$	12/5	17/8	26/1
Brackets (Brass) 2/5	2/10	3/4	—	—	—	—

GLASS

	Per foot superficial in squares	24oz 8 $\frac{1}{2}$ d	26oz 11d	32oz 1/2 $\frac{1}{2}$
English, flat drawn sheet glass cut to sizes				
Figured rolled and cathedral, white, cut to sizes, in squares ($\frac{1}{2}$ in) ..	10d			
Ditto, but in standard tints ..	1/5 $\frac{1}{2}$			
$\frac{1}{2}$ in Rolled, cut to size, in squares ..	10d			
$\frac{1}{2}$ in or $\frac{3}{8}$ in rough cast ditto ..	1/1			
$\frac{1}{2}$ in ditto wired ditto ..	1/3 $\frac{1}{2}$			
Georgian wired ditto ..	1/3 $\frac{1}{2}$			
Fluted (No. 4) ditto ..	1/4			
Reeded, (narrow, broad, cross and major) ditto ..	1/2			
Reedylite (narrow and broad) ditto ..	1/2			
Spotlyte ditto ..	1/2			
$\frac{1}{2}$ in Calorex Cast ditto ..	1/3 $\frac{1}{2}$			
Calorex Sheet (15oz) ..	6/6			
ditto. (21 oz) ..	9/-			
Flashed Opal (15/18oz) ..	3/10			
Pot Opal (15/18oz) ..	3/9			

POLISHED PLATE GLASS (Tariff) Cut to sizes.

Ordinary substance $\frac{1}{8}$ in and $\frac{1}{4}$ in thick.

Per Superficial foot.

General Glazing

In plates not exceeding:	
2ft super in each ..	3/7
5ft ditto ..	4/5
45ft ditto (unless extra sizes) ..	5/1
100ft ditto (ditto) ..	5/6
Extra sizes, i.e., Plates exceeding 100 ft. super or 160in one way or 96in both ways at higher prices.	

DECORATING MATERIAL

	Price	Unit
Aluminium Paint ..	37/6	Gallon
Distemper, ceiling ..	35/-	Cwt
Distemper, washable ..	120/-	do.
Enamel ..	60/-	Gallon
Gold Metallic Paint ..	86/6	do.
Heat Resisting Paint ..	50/-	do.
Japan, black ..	23/6	do.
Knotting ..	40/-	do.
Linseed Oil ..	20/-	do.
Boiled, ditto ..	20/6	do.
Proprietary Paints (good class)—		
Finishing ..	57/6	do.
Priming ..	62/-	do.
Undercoat ..	56/-	do.
Paperhanger's Paste ..	35/6	Cwt
Petrifying liquid ..	8/9	Gallon
Putty ..	55/-	Cwt
Size ..	9/3	Firkin
Terebine ..	16/-	Gallon
Turpentine substitute ..	6/9	do.
Varnish, oak, copal inside use ..	33/-	do.
Ditto, ditto, outside use ..	38/-	do.
Ditto, white, eggshell, flat ..	44/6	do.
White lead mixed paint ..	72/-	do.
White lead ..	198/-	Cwt
Whiting ..	13/3	do.



This recessed lighting scheme of the canteen in the American Embassy was designed by Philips

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CURRENT MEASURED RATES (LONDON)

These apply to new work of normal character and some size. These rates are for time and materials only and carry 10 per cent in excess, so the appropriate essential on-costs should be added. The basis cost of material used in the calculation of these prices is taken from the foregoing tables which carried up to 15th April 1956.

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ESSENTIAL ON-COSTS

Fees payable to L.C.C. for District Surveyor:
For new buildings of ordinary construction exceeding 5,000 cubic feet, for every 1,000 feet or part of same up to 1,000,000 cubic feet 1/6, together with an additional sum of £1/10/- .. £1/10/-
at + 1/6
After which allow per 1,000 do. .. at + 9d.
For alterations and additions:
When £100 the sum of £2/10/-, plus 12/6 for every £100 or part of same, up to £1,000 .. £2/10/- at + 12/6 per 100
When over £1,000 the sum of £8/2/6, and for every £100 or part of same beyond 3/- .. £8/2/6 at + 3/- per 100
Public buildings: Fees as above but plus 50% .. + 50%
Fees in respect of means of escape in case of fire are 1/5th of the above or £2 if greater or in the case of a one-storey building £1 .. 1/5th
Steel framed or r.c. buildings double .. +100%

Allowance to cover National Insurances, Holidays with Pay and Public Holidays, Welfare, Third Party Risk, Travelling and Guaranteed Week is made in the rates attached to the items.
Allow for Fire Insurance do. .. 1/6%
Allow for Water for use on the works and apparatus do. .. 6/6%
Allow for hoarding, or similar licences in City of London say £10 Do. under Borough Councils per each month .. say 2/6
Allow for Office, Fire, Attendance on C. o W., etc. p. week say £1

Supervision, etc., assessment	Contract value				
	£4,000	£6,000	£12,000	£24,000	£50,000
Cost. of admin. ..	6%	5%	5%	4½%	4½%
Agent or foreman (each) ..	5%	4½%	3½%	2½%	1½%
Timekeeper or Watchman (each) ..	2½%	2½%	1½%	1%	¾%

SPOT ITEMS AND DEMOLITION, ETC.	Per foot run
Hoarding erected and removed ..	18/-
Planked gangway with handrail, etc. do. ..	9/6
Proper gantry do. ..	70/-
Sleeper roadways ..	15/-
Needling, strutting and shoring including all labours and use and waste in erection and removal ..	18/-

ALTERATION-DEMOLITION—	1 Brick	1½ Brick	2 Brick	Per yard cube
Cutting out cement concrete or brickwork in small quantities ..	1/3	2/4	3/3	58/-
Do. if either in very small quantities or reinforced ..	2/1	3/9	5/5	86/-
Debris into baskets and removed from inside to outside of bldg. ..	3½d	7d	8½d	12/5

SCAFFOLDING (Avg. 45ft high)	Period			
Per yard superficial	1 month	3 months	5 months	
Putlog type—4' 6" lift ..	6/2	8/3	9/8	
Do. —6' 0" do. ..	4/7	6/4	7/4	
Independent type—4' 6" lift ..	7/11	11/4	13/6	
Do. —6' 0" do. ..	5/8	8/2	9/4	

EXCAVATION	Common Soil	Loamy Clay	Gravel or Clay	Rock or similar
Per Yard Cube. By hand ..	5/9	6/11	8/1	54/1
Reducing levels ..				
Surface trench not exceeding 5ft deep ..	11/10	14/2	18/11	67/6
Do. from 5ft to 10ft ..	21/8	24/5	29/2	73/6
Do. from 10ft to 15ft ..	27/-	29/8	34/3	80/7
Fill in and ram ..	4/8	5/2	5/2	5/2
Barrowing 25 yds ..	2/9	3/-	3/-	3/5
Load vehicles and tip 8 miles away ..	15/3	15/3	16/2	16/10

PLANK AND STRUT	To 5ft deep	5 to 10ft deep	10 to 15ft deep
To trenches, in normal ground ..	7d.	8½d.	10d.
Per Foot Super ..			

CONCRETE	1½in Ballast Aggregate	Per yard cube
1:3:6 Cement concrete in foundations ..		73/-
Do. around grillages ..		76/-

REINFORCED CONCRETE		
1:2:4—fin concrete, worked around reinforcement, between formwork in the following (at various levels):—		
Foundations and surface beds ..	80/6	Per cubic
Walls, 12in thick or more ..	87/-	Yard

Sectional inches	Lintols and beams	Columns and casings	Braces and projections
Up to 36 ..	4/6	4/10	4/10 Per cubic ft
36 to 72 ..	4/3	4/7	4/9 do.
72 to 144 ..	4/2	4/5	4/8 do.
over 144 ..	4/-	4/3	4/7 do.
Walls 6in thick ..			16/8 Per super yd
Do. 9in thick ..			24/6 do.
Suspended floors average 6in thick ..			18/1 do.

REINFORCING RODS (round) bent and placed. (Ex Mills)—				
Per cwt	1½in	1½in	1½in	1½in
In floors and beams ..	83/-	71/-	67/-	59/-
In walls ..	89/-	75/6	71/-	62/3
In columns ..	95/-	80/-	75/-	65/-

FORMWORK and Supports (4 times use)—				
Floor soffits	Beams	Walls	Columns	
19/- per Yard	2/6	2/4	2/4	per super foot

BRICKWORK

BRICKWORK per YARD superficial reduced on ONE BRICK in thickness (scaffold to add)—	In 1:3 cement mortar
Flettons or other similar at 113/- per 1,000 ..	38/8
Mild Stocks or do., at 226/6 per 1,000 ..	52/10
Second Stocks or do., at 261/- per 1,000 ..	56/7
Southwater engineering or similar bricks, at 379/- per 1,000 ..	73/-
Blue Staffordshire wire cut at 510/6 per 1,000 ..	86/11
Deduct if 1:1:6 Cement-Lime mortar is used in lieu of 1:3 Portland Cement mortar ..	2d
Add if brickwork commences above ground level ..	4/-
Do. if in backing to masonry including cutting and waste for bonding ..	3/1
Do. If circular-on-plan ..	7/3
Do. If in underpinning ..	7/3

BRICKWORK IN THICKNESS NOT REDUCED—

Per yard superficial	Brick, on edge	Half-Brick	1 Brick finished fair both sides	11" Hollow with 2" cavity and G.I. ties
In Flettons or similar ..	16/10	21/5	39/8	45/4
In second stocks or do. ..	22/2	29/3	54/8	60/8
Add: for pointing as work proceeds, per side ..	1/7	1/9	1/7	1/7
Thickness to old walls, including cutting, toothing and bonding to same an average total thickness of ½ brick ..	55/-		67/-	Per yard super do.
Do. all as last but an average total thickness of 1½ bricks ..	75/-		96/-	

WALLS BUILT IN SUPERIOR BRICKS—

In 1:3 Cement mortar, fair faced and pointed on both sides as the work proceeds:—	Half-Brick	One Brick	Per yard super do.
In first quality Stocks at 282/- ..	35/9	63/7	
In red facings at 310/- ..	35/6	63/6	
In bluepressed facings at 562/- ..	56/-	97/8	

GENERAL AND SUNDRY—

Cut tooth and bond new brickwork to old ..	4/8 per ft
Damp proof course, double slate, horizontal ..	3/6 super
Do., as last, but vertical ..	4/3 do.
Do., bitumen, Hessian base, do. ..	2/- do.
Frames, bed and point in cement mortar, one side 4½d per ft run	
Window board of 6"×6"×¾" rounded on edge	
quarry tiles, bedded, pointed, cut and fitted ..	3/2 do.
Terra cotta air bricks built in and pointed, including flue ..	9"×6" 9"×9" 9/6 each
Chimney pots, plain red, set and launched in cement mortar ..	1ft high 2ft high 20/- each
Metal windows, assembled, hoisted and fixed, lugs cut and pinned and frames bedded and pointed one side in cement mortar ..	Up to 5ft super 5ft to 10ft super
Leaving holes through walls for pipes and afterwards making good ..	12/1 10ft to 20ft super 23/6 38/10 each
Cutting do., and afterwards do. ..	10d do. 1/8 do.
Cut mortices in brickwork or concrete for bolts or dowels and run in with cement grout	1/1½ per in in depth, each
Holdfasts of stout iron hoop bent holed and screwed to frame and built in ..	1/3 each

MEASURED RATES—Continued**BRICKWORK—Continued****FACING—**

Extra only over common brickwork (113/- per 1,000) for facing with superior bricks in *Flemish bond* and pointing as the work proceeds.

Rustic Flettons (138/-)	..	..	3/9	per yard super
White (210/-)	..	..	9/9	do.
First Stocks (282/-)	..	..	15/-	do.
Reds (310/-)	..	..	16/6	do.
Blue pressed (562/-)	..	..	34/10	do.

If built in English bond, Add 12½% to above

If do. half-brick stretcher bond, Less 25% off above.

COPING—

All labour and material in forming brick-on-edge coping with two course of roofing tiles under and cement weather fillets on both sides, built in cement and pointed as the work proceeds.

Per foot run	9" thick	14" thick
In picked Flettons ..	6/3	8/5
In first quality Stocks ..	7/7	11/1
In red facings ..	7/5	10/11
Plumbing angles ..	2d. per foot run	
Fair cutting ..	1½d. do.	
Fair raking cutting ..	1/6½ do.	
Fair circular cutting ..	1/6½ do.	
Fair squint or birdsmouth ..	1/10½ do.	

ARCHES

Extra over Fletton brickwork for forming window head with red facing bricks set on end and with 4½" soffits and pointing	foot run	3/7
Do. for rubbed and gauged flat arch in red rubbers set in putty with fine joints	foot super	18/3

PARTITIONS

	2in	2½in	3in
Concrete slab partitions in cement mortar (over 100 Yards)	10/7	12/-	14/1
Hollow clay do.	12/6	13/5	15/-
Cutting and bonding at angles, intersections and ends	5d. foot run		

PAVING

	lin	1½in	1½in
Grano trowelled gauge 5 : 2	8/-	9/-	10/-
1 x 5in skirting, square top and cove bottom	2/8	foot run	
½in x 6in red quarry tile paving	28/3	yard super	
½in x 6in do. skirting	1/10	foot run	
Jointless flooring, ½in thick	20/-	yard super	

ASPHALT (normal conditions and fair quantity)

	B.S.	
½in pitch mastic floor in one coat on felt underlay on prepared concrete base	1450/48	1375/47
		Brown 13/2 Mastic B.S.988
		Red 15/- Natural Rock
Per yard super ..	12/6	
Unit	B.S.988	B.S.S. 1162/44
½in in two thicknesses on felt underlay on prepared concrete base	yard super	17/- 22/6
Ditto in narrow widths	foot super	2/6 3/6
½in skirting 6in high, angle fillet at bottom splayed and turned in at top	foot run	3/- 3/6
External angles ..	each	6d. 6d.
Internal ditto ..	each	10d. 10d.
Tanking or Damp Course	B.S.1097/43	B.S.1418/47
Vertical in two thicknesses	yard super	22/6 32/-
½in horizontal ditto	yard super	15/- 23/6
Vertical in three thicknesses	yard super	32/- 39/-
½in horizontal ditto	yard super	21/- 30/6
Labour rounded external angle ..	per foot run	6d. 6d.
Ditto internal angle fillet ..	per foot run	10d. 11d.
Ditto double ditto ..	per foot run	1/8 1/8
Collars to small pipes ..	each	3/6 4/-
Ditto to large pipes ..	each	6/6 8/-

DRAINAGE

	1 foot in depth	4/5
Per lineal yard	2	do. .. 7/8
Excavate trench, and plank and strut to sides, consolidate bottom to fall, return fill and ram earth after drain is laid and load and remove surplus. In ordinary ground—moderately firm	3	do. .. 18/-
	4	do. .. 24/-
	5	do. .. 30/-
	6	do. .. 40/3
	7	do. .. 49/-
	8	do. .. 62/-
	9	do. .. 72/6
	10	do. .. 88/6
	11	do. .. 100/5
	12	do. .. 113/-

Portland cement (1 : 6)	Per yard run	4in	6in	9in
concrete bed under drain	4in	3/9	4/10	5/1
pipes and benching up on both sides—6in thick	18in wide	20in wide	23in wide	
	8/-	9/6	11/6	

SALT GLAZED SANITARY DRAIN PIPES

and lay and joint with Yam and Cement Mortar in trench.

Quality	Quantity	4in	6in	9in
"Best"	2 Tons or more	3/1	4/3	7/2
	over 100 pieces	3/4	4/9	8/-
	under 100 ditto	3/5	4/10	8/4
"Best Tested"	2 Tons or more	3/9½	4/11	9/-
	over 100 pieces	4/3	6/3	10/4
	under 100 ditto	4/4	6/6	10/8
"British Standard"	2 Tons or more	3/3	4/10	7/7
	over 100 pieces	3/8	5/5	8/7
	under 100 ditto	3/9	5/8	9/4
"British Standard Tested"	2 Tons or more	4/-	6/-	9/9
	over 100 pieces	4/7	6/11	11/2
	under 100 ditto	4/10	7/2	11/10
Extra for bends "Best"—Contained in 2 Ton lots.		4/2	6/3	16/6
Extra for junction "Best"—4in on 4in, 6in on 6in—9in on 9in	ditto	6/6	9/9	27/-

IRON DRAIN PIPES—

Heavy cast iron socketed and laying and jointing in molten lead—	Per foot run	4in	6in
In main runs ..	12/9	17/4	
In branches ..	14/4	19/8	
	each		
Extra over last for bends and extra joint ..	36/-	71/4	
Do. on do. for junctions and extra joint ..	48/2	89/7	
Cast iron gully with 10½in inlet and 4in outlet, composed of hooper and trap, and 9in extension piece and 10½in grating, and jointing all together, and jointing to drain and surrounding in concrete	162/6	—	
Do. rain water, shoe with vertical inlet and inspection cover, and joint up and embed	85/-	129/-	

MANHOLE SUNDRIES—

Salt glazed straight half-round main channels ..	4in	6in
Do. curved ..	5/-	7/-
Do. three-quarter section splayed channel bends (Barrons or similar) ..	10/6	15/-
Heavy manhole steps galvanized ..	14/3	20/8
Fix only manhole covers ..	9/9	—
4in Mica flap, brass faced, f.a.i. valves and fix with molten lead joint ..	11/-	—
	38/6	—

ROOFER**CORRUGATED ASBESTOS SHEETS**

P.C. 7/4½ per super yard, including side and end laps and fixing to wood ..	142/-	per square
Eaves filler pieces ..	1/9	foot run
Adjustable ridge ..	3/4	do.
Barge boards ..	2/8	do.
Plain roofing tiles, machine made, sand faced, 4in gauge nailed every 4th course with 1½in galvanized nails, to battens (measured separately) ..	252/-	do.
Extra over last for top edge or abutment cutting	1/3	do.
Do. for double course at eaves ..	2/5	do.
Do. for verges, undercloak, bed and point	3/6	do.
Do. Valley tiles including cutting and waste on both sides ..	11/3	do.
Do. Bonnet hips and do. bed and point	11/9	do.
Half-round ridge and bed and point ..	3/3	do.
Fixing soakers ..	1/6	dozen

Bituminous felt roofing in two layers, laid breaking joint and bedded with hot mastic and finished with fine dry grit ..

Do. but in one layer only ..	11/6	yard
	8/6	super
	Per square	
WELSH SLATING 16" x 10" 18" x 10" 20" x 10"		
3in lap, 2 zinc nails to each slate ..	312/6	319/6 378/6

Additional labours

	Per foot lineal	1/7	1/9	1/11½
At tops, verges and abutments—straight	2/4½	2/7½	2/11	
Do. —raking	2/4½	2/7½	2/11	
At hips and valleys (each side) ..	3/2	3/5	3/11	
At eaves, double course ..	4/9	5/-	5/9	
Do. to falls ..				

cut
this
out!

Can you afford to waste money by using outdated construction methods?

Take a look at the illustration on the right. All the costly shaded items are replaced by the one simple Finlock Gutter Unit shown below, with lintel cast in situ in the patent rear trough. Maintenance costs? There are *none*.

If you have not seen the Finlock technical literature yet, why not send for it today? It covers the five types of gutter, the hot bitumen and aluminium lining service and the Finlock Sprocket. It all adds up to

better building at lower costs.

and you
save all
the way
round

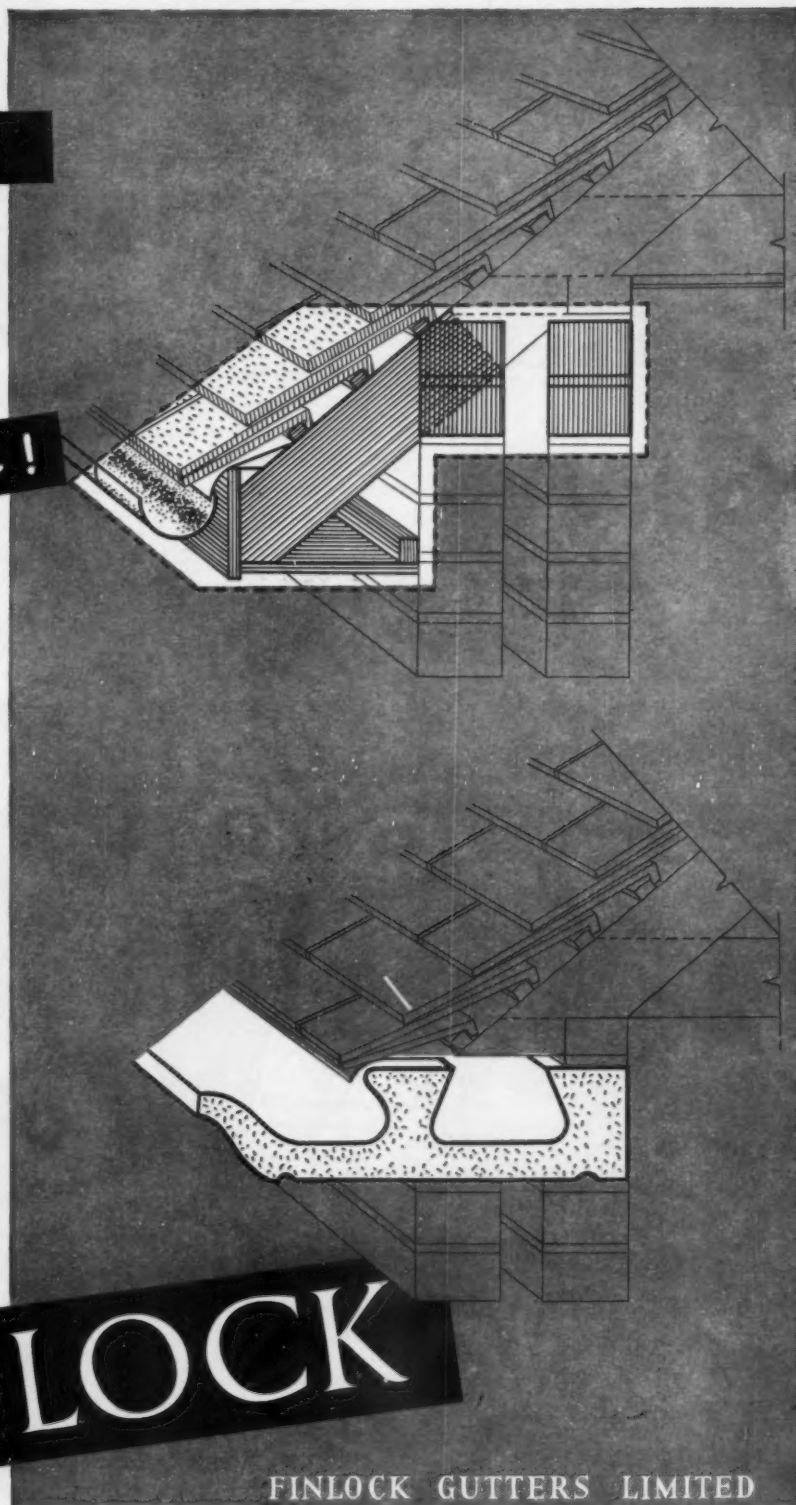
FINLOCK

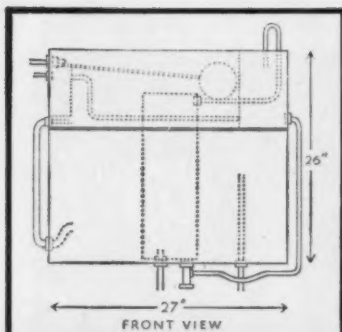
FINLOCK GUTTERS LIMITED

Finlock House, Frant Road, Tunbridge Wells, Kent. Telephone: Tunbridge Wells 3396/9

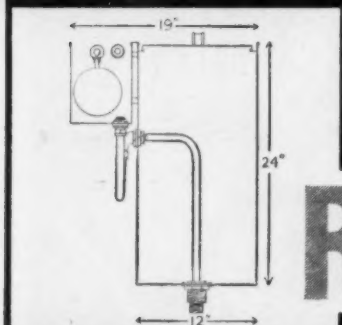
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DHB 4499





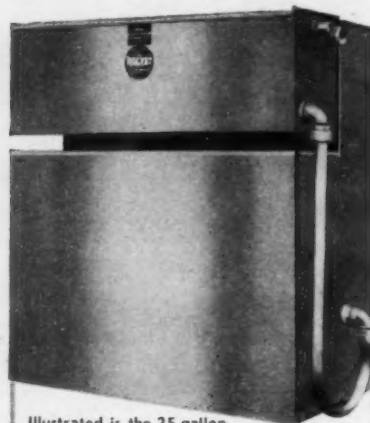
THE CALORIFIER



THE DURHAM

A BIG saving on installation costs

Rolyat tanks represent a saving all along the line, quite apart from the extra quality which is built into them. Special tanks are made for awkward situations at no extra cost, and an advisory service is at your command for any installation. They are specified by local authorities, Architects and Heating Engineers throughout the country.



Illustrated is the 25 gallon "Rolyat" recessed "Durham" tank. Please send me details of the range of "Rolyat" tanks.

NAME _____

ADDRESS _____

A/I

ROLYAT PATENT HOT WATER TANKS

THE ROLYAT TANK CO. LTD. CROMWELL RD. YORK



for all round protection use

IONOLAC

BITUMINOUS PAINTS

For all Steelwork and Ironwork - Protects

against Corrosion - Rust and Atmospheric

Conditions - Excellent Weatherability

Brilliant Gloss Finish - Good Colour Depth

Suitable for Spray or Brush - Made in

Black, White, Green, Red, Brown, Grey,

Cream and Aluminium Colours.



DUSSEK BROTHERS & CO., LTD.

THAMES ROAD, CRAYFORD, KENT.

Telephone: Bexleyheath 2000 (5 lines)

MEASURED RATES—Continued**FLOORS AND FLATS**

	Hollow tile in situ or precast units hoisted, bedded and fixed— Superimposed load in lb per foot super	Span	
		12 feet	16 feet
Per yard super	50 ..	45/-	51/1
	100 ..	46/9	54/-
	150 ..	50/6	57/6

20lb has been allowed to cover dead load in surface, finish.
Fair edge to slabs 9d. per foot run
Splay cutting and waste 1/9 do.

CARPENTER AND JOINER

SOFTWOOD CARCASSING— Labour, materials, waste nails, hoisting and fixing ..	Plates 18/10	per foot cube—		
		Joists	Rafters	Trusses
		20/1	21/8	24/3

FLOORING—	Per square—	3/4in	1in	1 1/4in
Rough boarding		131/6	161/6	198/6
Softwood batten flooring, straight joints, splayed headings		133/-	163/-	200/6
Do. grooved and tongued		162/8	193/2	237/9

SKIRTING—	Per foot superficial—	3/4in	1in	1 1/4in
Wrot softwood moulded skirting with grounds and backings plugged		3/6	4/1	4/8
Mitres to do.	3d. per sectional inch			
Fitted ends	2d. do.			

SASHES, fanlights, casements, borrowed lights, etc.—	Without bars		With bars (2ft sup. in each square)	
Per foot super—				
2in softwood rebated, moulded and fixed		3/-		5/4
Add if fitted with beads		6d.		1/6
Add if hanging on butts		2/3 each		

WINDOWS, hung on lines—	Overall size of frames—			
Softwood cased frames, 1in inner and outer linings, 1 1/4in pulley stiles, 2in sashes, oak sill	6ft	21ft	32ft	44ft
Per foot super	18/-	10/-	7/8	6/-
Windows as described				
Add if sashes in squares, about 2 feet super in each		1/6	2/-	1/11
Extra for hanging sashes with lines, weights and axle pulleys	30/3	50/3	62/3	84/3

FINISHINGS TO OPENINGS—	Per foot super—				
Softwood linings, tongued at angles and tongued to frame including grounds and backings	3/5	3/11	4/9	5/4	
Add if crosstongued	6d.	6d.	6d.	6d.	
Softwood wrot rounded on front edge and with tongue at back window board including groove in sill and bearers	3/4	3/10	4/9	5/3	
Add for ends to last notched, returned and rounded	1/1	1/2	1/3	1/4	

Per foot run—	Sectional area in inches—					
	1	2	3	4	5	6
Softwood wrot and fixed in bearers, backings, grounds, fillets, and similar	3 3/4d.	6d.	8 1/4d.	11d.	1 1/4	1 3/4
Add if in short lengths	2d.	2d.	2 1/2d.	2 1/2d.	3d.	3d.
" if plugged to brick- work	4d.	4d.	4d.	4d.	4d.	4d.
" if framed as in legs and bearers	3d.	3d.	4d.	4d.	6d.	6d.
" if rebated or grooved or beaded	3 1/4d.	3 1/4d.	3 1/4d.	3 1/4d.	3 1/4d.	3 1/4d.
" if chamfered or rounded edges				1 1/4d.		
" if moulded in architraves, capping, etc. ..				3d.		

DOOR FRAMES—	Per foot run—				
Per sectional inch—	6in	8in	10in	12in	13 1/2in
Softwood, wrot, rebated, rounded framed and fixed	2/1	2/5	3/-	3/4	3/7

DOORS—Per foot super	Number of panels—					
2in Softwood square framed and flat panels, both sides, on butts ..	1	2	3	4	5	6
1 1/4in do.	5/5	6/3	6/9	7/3	7/7	8/1
Add for each side moulded	4/11	5/9	6/2	6/7	7/-	7/6
Add B.S. flush panelled	3d.	4d.	5d.	6d.	7d.	8d.
	1/6	1/6	1/6 1/2	1/7	1/8	1/8

	per foot super—			
In shelves, table tops, wrot and fixed ..	2/4	2/7	3/-	3/6
Do. in divisions and ends framed ..	2/7	2/10	3/3	3/11
Add if crosstongued	6d.	6d.	6d.	6d.
Add if buttoned	6d.	6d.	6d.	6d.

SUNDRIES—Per foot run ..	In short lengths	In long lengths	Add for cups and screws
Glazing, beads mitred around and fixed with brads	6d.	4d.	2d.
Rounded heel or hollow		4d.	
Tongued and grooved angle		6d.	
Glue blocking		6d.	
Mitres	3d.	per sectional inch.	
Fitted ends	2d.	do.	

STAIRCASE—	Per ft Super
1 1/4in Softwood treads with moulded nosings, risers tongued both edges and glued, blocked and bracketed on and including two fir framed carriages	6/-
Do. but in winders	7/3
1 1/4in crosstongued landing on framed carriages ..	6/-
2in moulded string	5/-
2in do. ramped	11/9
Ends framed to newel	9/8 each
Tongued and mitred angles	5/6 do.
Tongued heading joints	5/6 do.
Ends of treads and risers housed to string ..	3/6 do.
Extra for curtain ends to steps, glued up and veneered riser and solid blocking	100/- do.
Balusters about 2ft 9in long, square and framed each end	1in 1 1/4in 1 1/2in 3/9 4/6 5/3
3 1/2in x 3 1/2in square newel, framed ..	4/- per foot run
African mahogany moulded 3in x 2in hand- rail. (Joints below)	8/9 do.
Do. ramped 18in girth (do.)	52/- each
Do. wreathed do. (do.)	155/- each
Joint or framed ends	11/- each

FIXING ONLY IRONMONGERY	To deal	To hardwood
Barrel bolts	1/8	2/6 each
Flush bolts	4/-	4/10 do.
Sash fasteners	3/2	2/10 do.
Rim locks and furniture	5/6	7/- do.
Mortice locks and do.	11/-	17/- do.
Cupboard locks	2/9	3/5 do.
Casement fasteners	2/3	2/9 do.
Do. stays	2/3	2/9 do.
Grip handles	2/7	3/5 do.
Spring catches	2/3	2/9 do.
Cabin hooks	1/10	2/5 do.
Floor springs including oil	47/-	60/- do.
Overhead springs	14/-	16/6 do.
Springhinges	11/-	13/6 do.

SMITH AND FOUNDER

Basis framed steel joists and hoist and fix ..	69/- per cwt.
Do. but in compound girders	79/- do.
Do. but in stanchions	80/- do.
Trusses	110/- do.

Additional cost per cwt. over basic sections for following R.S.J.s

9in x 7in, 10in x 8in, 12in x 8in, 14in x 8in, 16in x 8in, 18in x 6in, 18in x 7in, 20in x 6 1/2in, 20in x 7 1/2in ..	7d. per cwt.
22in x 7in, 1/1 cwt. 4in x 3in	1/8 do.
5in x 3in, 5in x 2 1/2in	2/- do.
6in x 3in, 24in x 7 1/2in	2/3 do.
3in x 3in, 2/9 cwt. 4 1/2in x 1 1/2in ..	3/7 do.
3in x 1 1/2in	3/11 do.
Cleats, brackets, packing pieces, etc., in connections, including rivets and bolts ..	154/- do.
Forged straps	114/- do.
Wrot iron balustrade	153/- do.

RAINWATER GOODS—

Round cast-iron pipe with socketed joints caulked with red lead and tow and fixing with pipe nails and gas barrel distance pieces to plugs in brickwork	Per foot lineal		
	2in	3in	4in
Extra for shoes	4/-	4/5	5/7 1/2
Do. junctions	5/3	6/8	9/7
Do. bends	7/11	10/1	14/7
	6/2	7/11	10/2

RAINWATER GUTTERS

Per foot run—	4in	5in	6in
Half round CI gutters jointed in red lead and bolted and fixed on iron brackets ..	3/8	4/5	5/5
Ogee do. All as last	4/2	4/10	6/-
Extra for stop ends	3/2	3/10	4/-
Do. angles or outlets	5/4	6/9	8/-

MEASURED RATES—Continued**PLUMBER**

EXTERNAL—		Soakers		Flats		Flashings	
4lb Milled Sheet lead per cwt		199/-		235/-		245/-	
LEAD PIPES: running joints, etc.							
Per foot run		1in	1in	1in	1in	1in	2in
Main	Fixed	4/11	7/3	10/1	13/2	17/-	23/1
Service	with	4/5	6/3	8/4	10/6	13/3	18/3
Waste	hooks	2/10	4/2	5/6	8/5	9/-	11/8
Bends	each	—	—	—	1/9	3/-	8/-
Solder joints	"	8/10	10/9	12/8	14/9	17/4	22/10
Union and joints	"	12/10	16/5	18/6	24/6	—	—
Stop valve and ditto	"	28/11	37/7	51/10	80/9	—	—
Bib valve and ditto	"	20/8	28/-	—	—	—	—
Ball valve and ditto	"	22/6	31/7	49/5	71/11	—	—
Sleeve and ditto	"	—	—	—	—	21/3	28/9

COPPER TUBES

		1in	1in	1in	1in	1in	2in
Tubes per foot run		3/2	3/11	5/4	6/5	7/6	11/-
Couplings: straight	each	3/6½	4/4	6/6	8/6	10/10	14/9
Do. Bends each	"	6/10	8/1	11/5	15/6	23/3	33/1
Do. Tees each	"	8/2	9/7	13/9	18/9	25/3	35/1
Do. Cisterns each	"	4/4	5/9	7/6	9/8	13/4	17/6
Stop cocks each	"	24/4	35/4	63/-	104/6	159/-	240/-

BLACK TUBING (Class C) fixed with pipe brackets

		1in	1in	1in	1in	1in	2in
Tubes, per foot run	"	1/9	2/1	2/7	3/3	3/10	5/1
Bends and fix, each	"	3/10	4/7	5/7	7/3	8/2	12/8
Tees and ditto	"	4/-	4/9	5/9	7/5	9/-	13/4
Fire bends	"	1/5	1/9	1/10	2/1	2/9	4/10

Coated iron (M) weight L.C.C. soil and waste fixed with nails and distance		2in	4in
pieces and molten lead joints	"	5/4	7/8
Extra only for bends and joint	"	14/2	22/8
Do. junctions and joints	"	15/8	28/4
Do. cleaning doors	"	15/-	16/4
Domical wire guards	"	2/6	2/9

PLASTERER—

		yard super	
Lime and hair	Render and set	6/4	
Do.	Ditto float and set	8/-	
Sirapite	Skimming coat	3/10	
Do.	Render and set	7/8	
Do.	Render, float and ditto	9/6	
Portland	Backing coat	4/4	
Do.	Plain face	7/8	
Do.	Floor screed	4/8	
Keenes	Skimming coat	5/-	
Dubbing	Thick or less	2/2	
Metal Lathing	mesh x 24 Gauge	6/2	
6" x 6" x 1/2" Earthenware Plain Glazed Tiles, in fair quantity, white, and setting (on prepared screed)			
Rounded edge. Extra over last		4d.	per foot run
Angles in ditto		4d.	each
Cutting and fitting. Around pipes or clips 1/-		ditto	
Narrow widths. 3" to 6" wide. Add 75% to plain surface.			
Ditto. 6" to 12" ditto. Add 40% to plain surface.			
Sundry labours per foot lineal:—			
Quirk 2½d. Arris 3½d. Fair edge 2½d. Rounded edge 4d.			
Flush bead 1/6.			
Mouldings—5d. per inch girth.			
Jointing new plastering to old 3d.			

POLISHING

		Sashwork	
NEW WORK—		Foot super	Foot run
Staining, bodying-in and French Polish		2/9	1/9
Staining and wax polishing on hardwood		1/2	9d.
OLD WORK—			
Cleaning down old work and repolish		1/2	—
Stripping, preparing and repolishing		3/-	2/-

INTERNAL PAINTING

With white lead base in common colours, with brushes.

		Knot stop and prime	Prime and paint once	Prime and paint twice	Add for each extra coat
ON WOOD —		2/4	4/9	7/-	1/11
General surfaces					Yard super

Running lengths not exceeding 3" wide	3½d.	7d.	9½d.	2½d.	Yard run
Do. 3" to 6" wide	5d.	9½d.	1/2	4d.	do.
Do. 6" to 9" wide	7½d.	1/2½	1/10	6½d.	do.
Do. 9" to 12" wide	9½d.	1/6½	2/3½	7½d.	do.
Sash square each side	4/5	8/9	13/3	3/9	per doz.
Do. in large squares	6/-	12/6	18/4	5/3	do.
Opening edges	7d.	1/2	1/9	7d.	each
Casement frames each side	4½d.	8½d.	1/-	3d.	Yard run
Mullions or transoms, do	6½d.	11½d.	1/3	4½d.	do.
ON PLASTER—		One coat	Two coats	Three coats	
Paint on surfaces	"	2/9	5/2	7/1	Per Yard super
Do. on mouldings	"	3/2	5/9	7/9	do.
Do. on enrichment	"	4/11	9/3	12/-	do.
ON STEEL—					
Paint on structural steel	"	2/1	4/-	5/9	do.
Do. on roof trusses	"	3/6	6/11	9/6	do.
Do. on metal windows measured over all on both sides, divided into squares	"	3/3	5/6	7/11	do.
Do. divided into large squares	"	2/9	4/9	6/4	do.
Do. divided into extra large squares	"	2/4	3/11	5/4	do.
Do. on opening edges	"	10d.	1/6	2/-	each
Do. on rain water pipe	"	10d.	1/7	2/1	Yard run
Do. on do. gutter	"	1/3	2/8	3/7	do.
Do. on small pipe	"	3d.	6d.	10d.	do.

GLAZING (to New Work)

Polished Plate Glass ordinary substance (about 1in), glazing quality, in the following sizes, glazed complete—Per foot super	
In plates not exceeding 2 feet super in each	5/10
Do. 5	6/9
Do. (unless extra sizes) 45 feet	7/6
Do. (unless extra sizes) 100 feet	7/11
Add extra price for glazing with screw beads or clips	5d. per foot super.
Do. if glazing bedded in washleather or velvet	9d. per foot run

SHEET GLASS, glazed, complete, per foot super, in new work: Ordinary quality clear, glazed to wood with putty:—

24 oz as described	1/4½
26oz do.	1/6½
32 oz do.	1/10½

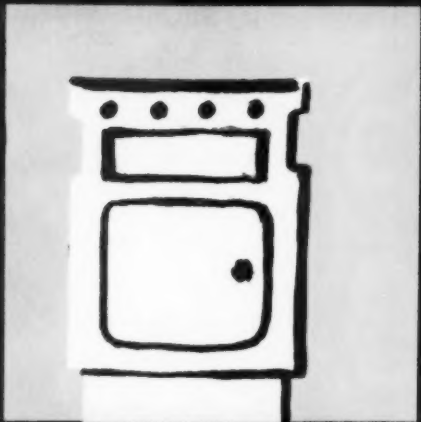
1 figured rolled and Cathedral, glazed to wood with putty		Per foot super
Do. in standard tints	do.	2/2
No. 4 Fluted, glazed do.	do.	2/0½
1in Reeded (narrow, board, etc.) do.	do.	1/10
Reedlyte do.	do.	1/10
Spotlyte do.	do.	1/10
1in Rough cast do.	do.	1/9
1in Do. wired do.	do.	1/11½
1in Georgian Rough Cast do.	do.	1/11½
Add for glazing all as before but to steel to similar work as above, 1½d. per superficial foot.		

PAINTER AND DECORATOR**DISTEMPERING—In common colours, put on with brushes—ON PREPARED SURFACE.**

per yard super—		1 coat	2 coats	Add if required for
		(finish)	(under-coat and finish)	Sealing coat
Ordinary distemper on flat surface of plaster	8½d.	1/4	6d.	3d.
Washable do. on do. of plaster	11½d.	1/9	6d.	3d.
Add if in margins, narrow widths or panels		30%	30%	20%
Add if on mouldings		50%	50%	45%
Add if on enrichments		160%	160%	115%

PAPERHANGING

Hanging only—	Per Piece—Lining	Pattern
On walls	6/10	8/2
On stairs	9/4	10/10
On ceilings	8/2	9/7

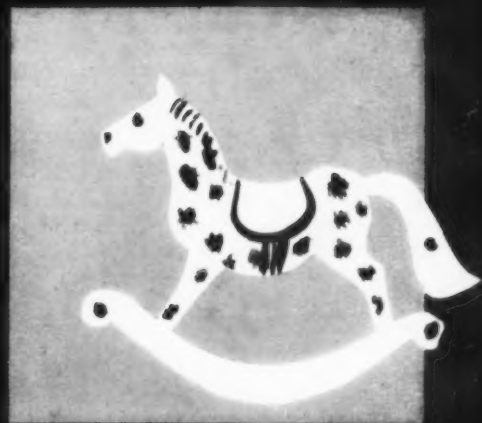
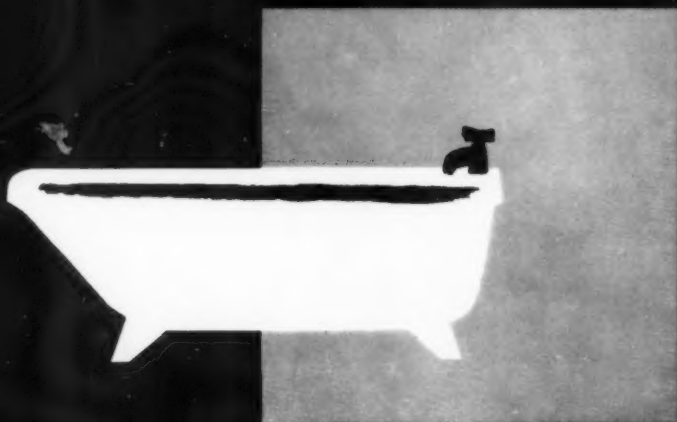
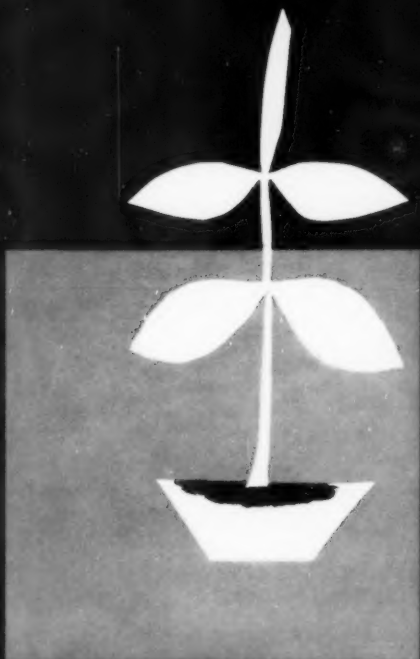


MARLEY

Wall tiles

Easily fixed; in a range of five pastel shades, Marley Thermoplastic Wall Tiles offer new possibilities for permanent wall treatments at a surprisingly low cost.

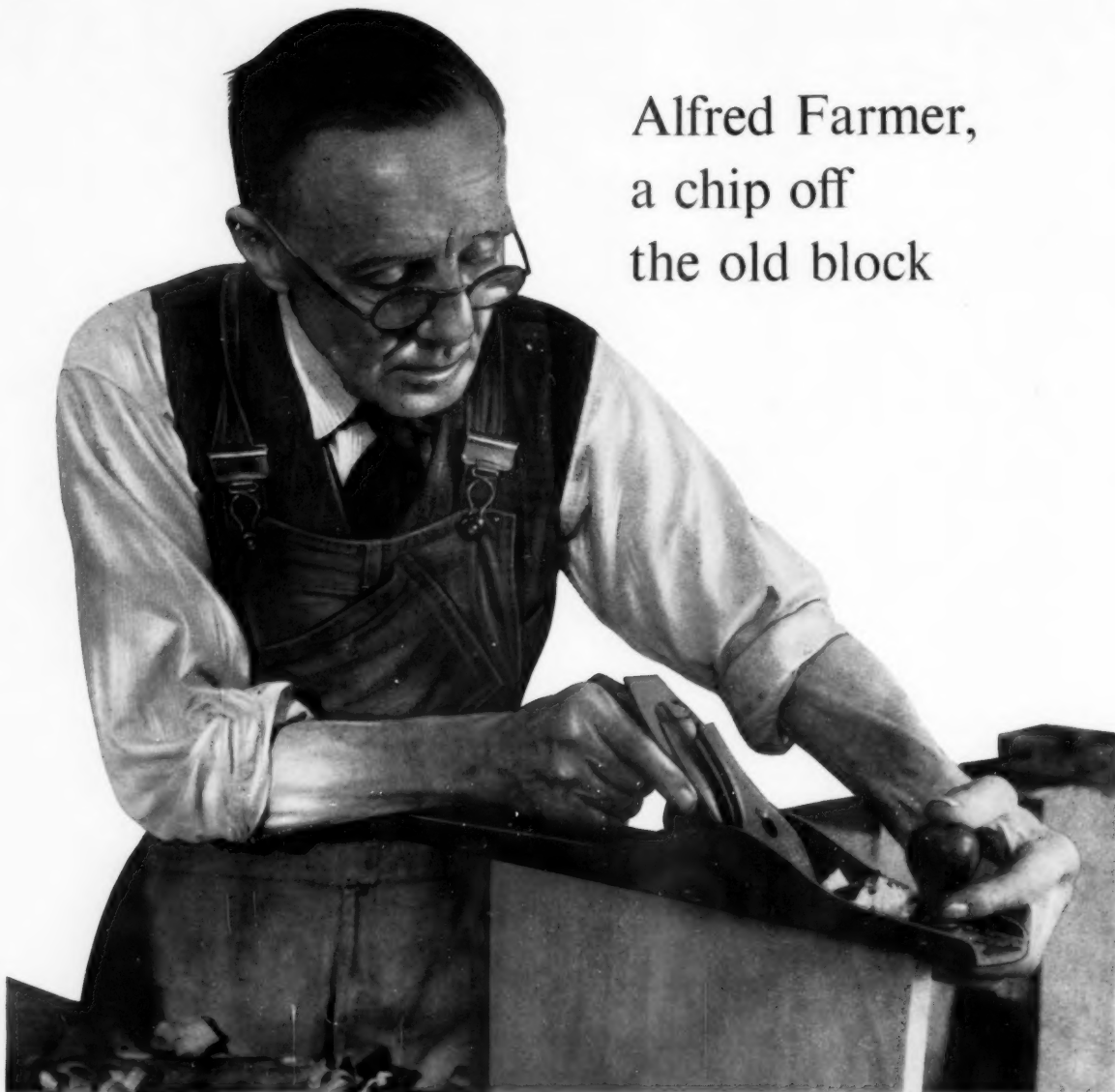
Detailed information and colour guide on request.



The Marley Tile Co. Ltd., London Road Riverhead



Sevenoaks Kent Sevenoaks 55255



Alfred Farmer,
a chip off
the old block

Even at the early age of fourteen Alfred Farmer had developed a love for fine woodwork. Doubtless he'd inherited it from his father, a successful cabinet maker. So keen was Alfred to carve a career in wood that, when his father insisted on his entering the insurance business, he ran away rather than forsake the work that gave him such a deep sense of pride and pleasure.

Today Alfred Farmer is a highly skilled Green & Vardy craftsman. He has been with the firm 24 years, and his work has found expression in such masterpieces as the intricate and beautiful woodwork which decorates the new House of Commons. Other fine buildings in which you will see specimens of work by Green & Vardy craftsmen include Liverpool Cathedral and Lambeth Palace.

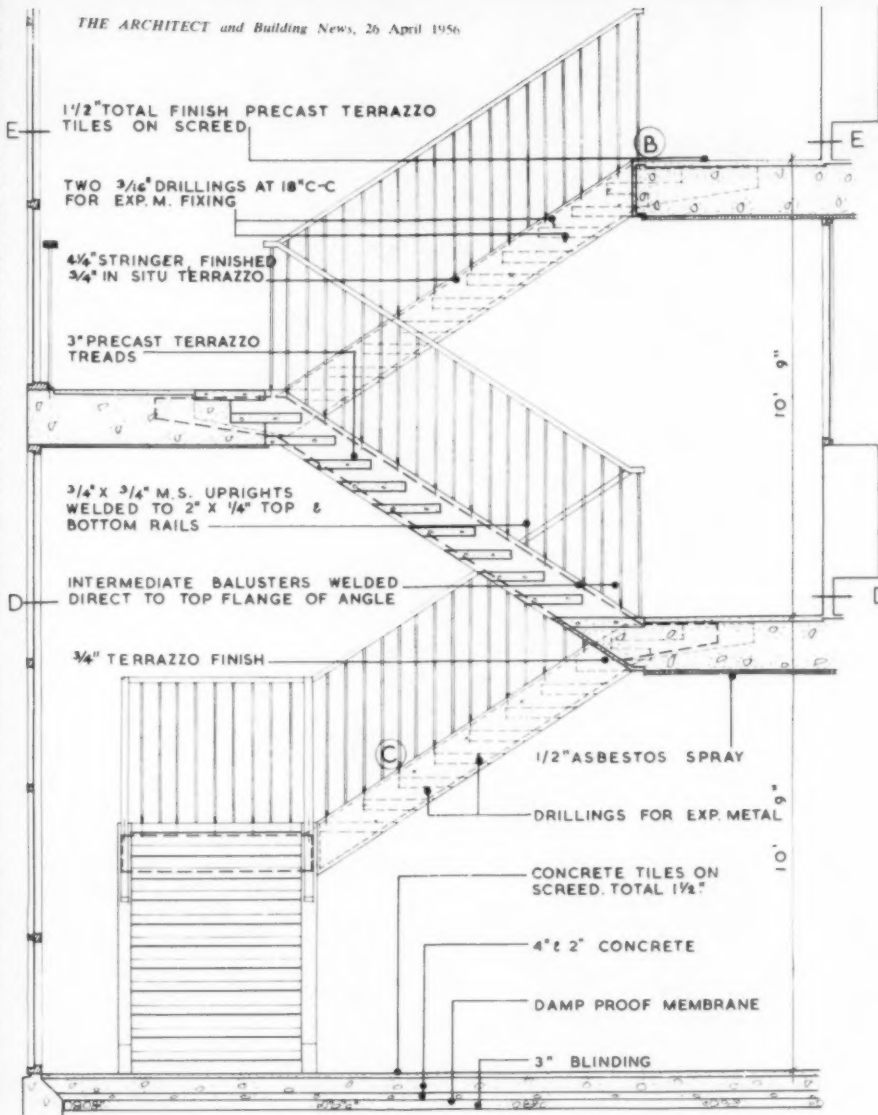
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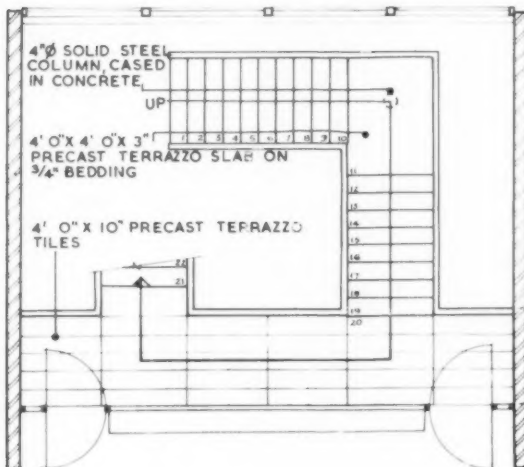
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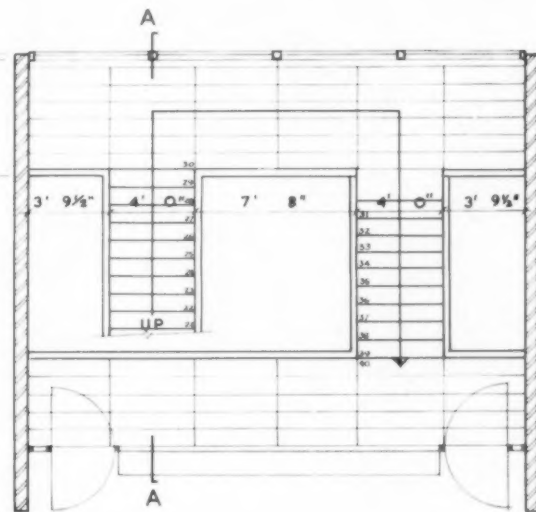
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Notes below give basic data of contracts open under locality and authority which are in a bold type. References indicate: (a) type of work (b) address for application. Where no town is stated in the

CONTRACT • NEWS •

OPEN

BUILDING

ABERDARE U.C. (a) Adaptation of part of the Council's Transport Offices, Gadlys Estate, into a canteen for omnibus personnel, and re-arrangement of the office accommodation. (b) Council's Engineer, Vestry Hall. (c) 2gns. (e) May 12.

ADWICK-LE-STREET U.C. (a) Erection of a small brick pump house at Doncaster Lane sewage works. (b) Council's Engineer, Council Offices. (c) 1gn.

BEBINGTON B.C. (a) Contract No. 3. Erection of 44 houses on the Teehey Lane estate, Higher Bebington. (b) Borough Engineer, Brackenwood, Higher Bebington, Wirral. (c) 3gns. (e) May 9.

BOURNEMOUTH B.C. (a) (1) Contract W.H.10 (A). Erection of two houses, Type P, two bungalows, Type L, and 6 bungalows, Type Q4, and (2) Contract W.H.8 (B) 8 houses, Type R, on the West Howe estate, and (3) improvements to 20 flats and 12 houses on the Southill estate. (b) Borough Architect (Room 106), Town Hall. (c) 2gns each contract. (e) May 15.

BOURNEMOUTH B.C. (a) Carrying out extensions to the Borough Mortuary, Littledown Road. (b) Borough Architect (Room 106), Town Hall. (c) 2gns. (e) May 10.

BRAINTREE AND BOCKING U.C. (a) Contract No. 5. Erection of 2 blocks of houses, Type 56, 8 houses, 3 garages, and 10 outbuildings, at Challis Lane estate, together with all external works and ancillary services. (b) Council's Engineer, Town Hall, Braintree. (c) 2gns. (e) May 4.

BRIGHOUSE B.C. (a) Erection of (Contract 49) 3 houses and 2 bungalows, Stoney Lane estate, Lightcliffe (Contract 58), 16 flats, Field Lane estate, Rastrick, (Contract 59) 10 houses, Field Lane estate, Rastrick, and (Contract 60) 16 houses, Field Lane estate, Rastrick. (b) Borough Engineer, Commercial Street. (c) May 25.

BUXTON B.C. (a) Erection of 51 houses on the Victoria Park Estate No. 3. (b) Borough Engineer, Town Hall. (c) 2gns. (e) May 11.

CAMBRIDGE C.C. (a) Erection of 17 shops and 31 flats on the Arbury Road estate. (b) City Surveyor, The Guildhall. (c) 2gns. (d) April 30. (e) May 25.

CARDIFF C.C. (a) Erection of 5 shops with maisonnettes over, 5 garages and incidental siteworks at Burnham Avenue, Llanrumney. (b) City Surveyor, City Hall. (c) 2gns. (e) May 14.

CARDIFF C.C. (a) Erection of (Group 1) 32 dwellings in Cornelly Street, (Group 2) 4 dwellings in College Road area, (Group 3) 8 dwellings in Aberporth Road area, (Group 4) 8 dwellings in Boncath Road area, and (Group 5) 11 dwellings in Mynachdy Road, Cefn Road area. (b) City Surveyor, City Hall. (c) 2gns. (e) May 14.

CEMAES R.C. (a) Erection of 8 houses, together with baths, drains, fencing, standing bay, and other continent works at Dinhs Cross (No. 2) site. (b) Howard Williams and Partners, Graystone, Priory Street, Cardigan. (c) 3gns. (e) May 7.

address it is the same as the locality given in the heading (c) deposit (d) last date of application (e) last date and time for submission of tenders. Full details of contracts marked * are given in the advertisement section.

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COSFORD R.C. (a) Erection of two terraces of six houses at Brookfield, Bidleston. (b) Edward Fincham, 9 Palmers Avenue, Grays. (c) 2gns. (e) May 14.

CRICKLADE AND WOOTTON BASSETT R.C. (a) Erection of 1 pair of Type A houses, 5 pairs of Type B houses, 1 pair of North Aspect bungalows, and 1 pair of South Aspect bungalows at Wootton Bassett, 1 block of four Types F, G and H houses, and 1 pair of Type F houses at Clyffe Pypard, 1 pair of Type B houses at Hook, and 1 pair of North Aspect bungalows at Ashton Keynes. (b) Council's Engineer, Manor House, Wootton Bassett, Swindon, Wiltshire. (c) 2gns. (e) May 23.

DENTON U.C. (a) Erection and completion of extension and alterations to the Town Hall, Albert Street. (b) Council's Engineer, Town Hall. (c) 2 gns. (e) May 22.

EIRE—CAVAN C.C. (a) Erection of 4 cottages at Dunree, Kingscourt, 4 at Drumgool, Killeshandra, 1 at Ormard, Ballynarry, and 1 at Ballymagirril, Garadice. (b) County Surveyor, Court-house, Cavan. (c) £5. (e) May 11.

ESSEX C.C. (a) Adaptations to Hatherley, Saffron Walden Hostel for the Aged, to form a new wing. Approx. cost £12,000. (b) County Architect, County Hall, Chelmsford. (d) May 5.

HERTFORD B.C. (a) Erection of (1) 19 two-bedroom houses, 26 three-bedroom houses, one pair of bed-sitting room bungalows, (2) 12 two-bedroom flats in three two-storey blocks, 18 two-bedroom flats in three three-storey blocks and 27 one-bedroom flats in three three-storey blocks, at Sele Farm estate. (b) Messrs. E. C. Harris and Partners, 3 Bedford Square, London, W.C.1. (c) 2gns. each contract. (e) (1) May 7 and (2) June 12.

HEXHAM R.C. (a) (1) Erection of 40 houses and (2) construction of roads and sewers, at North Wylam. (b) C. Nicholson, Prospect House. (d) April 30.

LANCASHIRE C.C. (a) Carrying out alterations and improvements at Lancaster St. John's Hall Occupation Centre. (b) County Architect, P.O. Box No. 26, County Hall, Preston, quoting Ref. A/M/G. (d) May 1.

LANCASHIRE C.C. (a) Carrying out alterations at Prestwich Redcliffe Hostel for Aged Persons. (b) County Architect, P.O. Box No. 26, County Hall, Preston, quoting Ref. A/M/G. (c) £2. (d) May 1.

LONDON—EALING B.C. (a) Erection of four blocks of three-storey one-bedroom and bed-sitting room flatlets at Elers Road, Ealing, W.13. (b) Borough Surveyor, Town Hall, W.5. (c) £2. (e) May 25.

LONDON—EALING B.C. (a) Erection of two blocks of three storey, one-bedroom and bed sitting-room flatlets at 68-70, St. Mary's Road. (b) Borough Surveyor, Town Hall, W.5. (c) £2. (e) May 25.

LONDON—WOOD GREEN B.C. (a) Erection of 40 maisonnettes at Crescent Rise. (b) Borough Engineer, Town Hall, N.22. (c) 2gns. (e) May 11.

LONDON—WOOD GREEN B.C. (a) Erection of a detached house on a site adjoining No. 1 Torrington Gardens. (b) Borough Engineer, Town Hall, N.22. (c) 1gn. (e) June 7.

MANCHESTER C.C. (a) Carrying out alterations to Chorlton central school. (b) City Architect, P.O. Box No. 488, Town Hall, (e) May 19.

NEWCASTLE UPON TYNE EDUCATION COMMITTEE. (a) (1) Internal and external painting of various schools and caretakers' houses, (2) erection of

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three additional classrooms at Middle Street Girls' secondary commercial school, and (3) erection of woodwork room at Walker R.C. Primary school. (b) Director of Education, City Education Office, Northumberland Road. (d) April 28. (e) May 26.

N. IRELAND—GOVERNMENT OF NORTHERN IRELAND. (a) Erection of a R.U.C. sub-station at Helen's Bay, Co. Down. (b) Ministry of Finance, Room 103, Law Courts Buildings, May Street, Belfast. (c) £2. (e) May 8.

NORTHWICH U.C. (a) Erection of seven shops with flat accommodation over on the Leftwich estate. (b) Council's Engineer, The Council House. (c) 2gns. (e) June 4.

PORTSMOUTH C.C. (a) (1) Erection of 30 flats in Allaway Avenue, Paulsgrove, (2) 15 flats in Hambrook Street, Southsea, and (3) rebuilding Foster Hall, Milton. (b) City Architect, 1 Western Parade. (c) £1 each contract. (d) May 4.

READING CORPORATION. (a) Carrying out minor alteration work at Dysons Wood, Tokers Green. (b) Borough Architect, Town Hall. (e) May 7.

RICHMOND B.C. (a) Erection of a block of two flats in Rayleigh Road. (b) Borough Engineer, Hotham House, Heron Court. (c) 3 gns. (e) May 31.

ST. ALBANS C.C. (a) Conversion and extension of existing house at 33 Clarence Road, to provide a total of 7 dwelling units. (b) City Engineer, 16 St. Peter's Street. (c) 2gns. (e) May 14.

SCOTLAND—DALKEITH B.C. (a) Erection of 50 houses at Duke's Park, 17 houses at Back Street/Tait Street, 4 at 208/214 High Street, and 4 at 149/153 High Street, and conversions at 192/194 High Street and Porteous Place, London Road. (b) Messrs. Morham and Brochie, 29 Hanover Street, Edinburgh. (d) April 30.

SCOTLAND—LOCHGILPHEAD B.C. (a) Erection of one block of three storeys comprising 11 houses and one shop at Lochnell Street. (b) Town Clerk, Lochgilphead. (d) April 30.

SCOTLAND—TULLIBODY. (a) All or separate trades for the erection of 204 cottages and/or flats at Northwood site, Tullibody, by Alloa. (b) Scottish Special Housing Association Ltd., 15/21 Palmerston Place, Edinburgh, 12.

SEVENOAKS R.C. (a) Erection of (1) two pairs of two-bedroom houses, and (2) one block of four one/two-bedroom flats, at Four Elms (No. 3 site), Hever, Kent. (b) Council's Engineer, Inglewood, Oak Hill Road. (c) 2gns. (d) May 11.

SPENBOROUGH B.C. (a) Erection of public conveniences at The Memorial Park, Cleckheaton and The Green, East Bierley. (b) Borough Engineer, Town Hall. (c) 1gn. (e) May 19.

UTTOXETER U.C. (a) Erection of 24 houses and incidental works at Byrd's Lane. (b) Council's Engineer, The Old Bank House, 72 High Street. (c) 2gns. (e) May 4.

WALSALL B.C. (a) Erection of new art and science rooms at Chuckery secondary school. (b) Borough Engineer, Council House. (c) 2gns. (e) May 7.

WARRINGTON B.C. (a) Carrying out alterations and additions to men's hostel, Crossley Street. (b) Borough Surveyor, Town Hall. (c) 5gns. (e) May 11.

WATFORD R.C. (a) Erection of a block of four flats and a group of 8 lock-up garages, on a site at Anthony Close, Green Lane, Oxhey. (b) Messrs. Dawe, Carter & Partners, 33 Clarendon Road. (c) 1gn. (e) May 9.

WEST RIDING STANDING JOINT COMMITTEE. (a) Erection of 1 pair

semi-detached constable type houses in Saville Road, Whiston, nr. Rotherham. (b) County Architect. "Bishopgarth," Westfield Road, Wakefield. (c) 2gns. (e) May 25.

WOLVERHAMPTON B.C. (a) Erection of 98 dwellings at Willenhall Road North estate. (b) Borough Engineer, Town Hall. (c) 2gns. (d) April 30.

WORCESTER PARK (a) Erection of 8 maisonnettes and 8 garages. (b) Street County (Construction) Co., 161a, Central Road.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

LUTON CORPORATION. (1) Rotherham Secondary School. (3) Token Construction Co. Ltd., 22, Park Street, London, W.1. (4) £231,472.

READING CORPORATION. (1) Four blocks of 8-storey flats. (2) Bath Road. (3) Geo. Wimpey and Co. Ltd., Hammer-smith Grove, London, W.6. (negotiating). (4) Cost: £500,000.

CENTRAL ELECTRICITY AUTHORITY. (1) Construction of jetty and river works. (2) Northfleet (Kent) Power Station. (3) Taylor Woodrow Construction Ltd., Southall, Middlesex.

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BARROW-IN-FURNESS. (1) Large factory for British Cellophane Ltd. (3) Melville, Dundas and Whitson Ltd., 21, Blythwood Square, Glasgow.

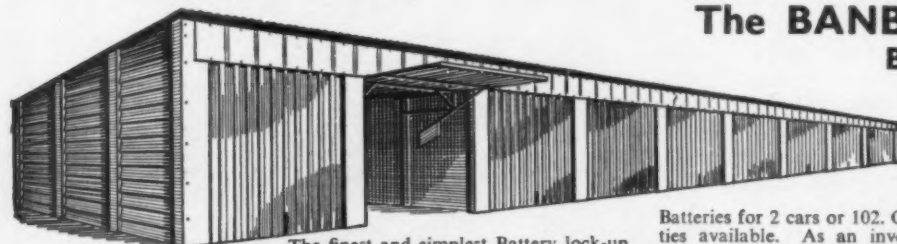
ILFORD B.C. (1) Secondary school. (2) Forest Road. (3) C. Bryant and Sons Ltd., 66, Victoria Street, London, S.W.1. (4) £140,375.

LONDON COUNTY COUNCIL. (1) Two 6-storey blocks of 60 flats. (2) Ocean Estate, Stepney, E. (3) W. J. Simms, Sons and Cooke Ltd., 78, Mount Street, London, W.1. (4) £144,087.

MANCHESTER. (1) 7-storey block of offices, for Lloyd Street (Manchester) Properties Ltd. (2) Lloyd and Queen Streets. (3) J. Gerrard and Sons Ltd., Swinton, Manchester. (4) £100,000.

LONG ASHTON (Som.) R.D.C. (1) 60 houses. (2) Rudsleigh Estate. (3) Quick Bros. (Bristol) Ltd., Hotwell Road, Bristol, and L. E. G. Bishop, Bishops-worth, near Bristol. (4) £90,000.

LONDON, E. (1) Extensions. (2) Joseph Barrett School, E.17. (3) Gray, Conoley and Co. Ltd., 29, Stephenson Street, London, E.16. (4) £32,000.



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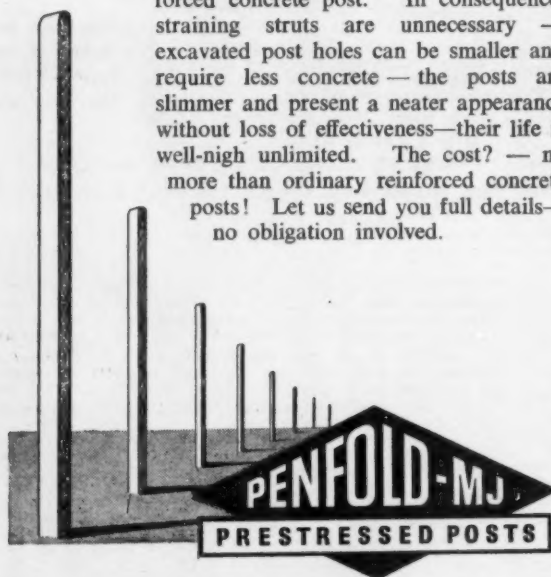
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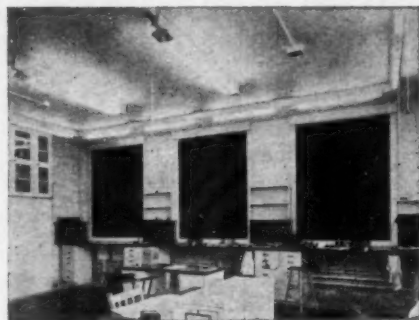
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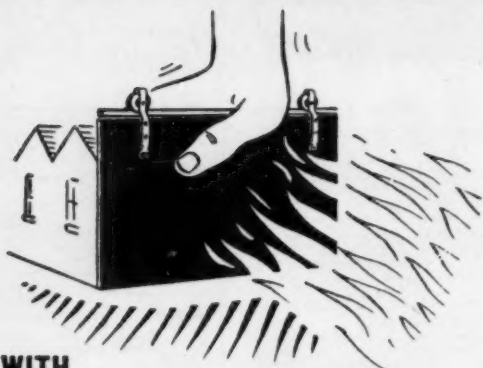
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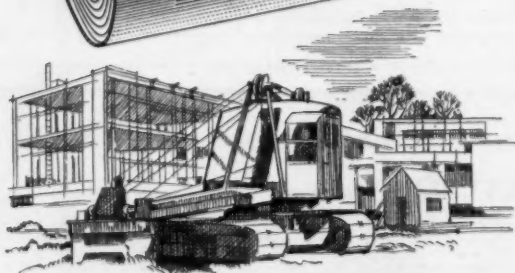
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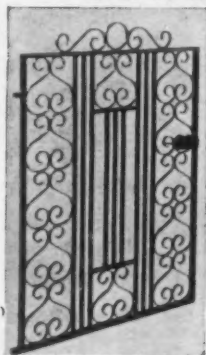
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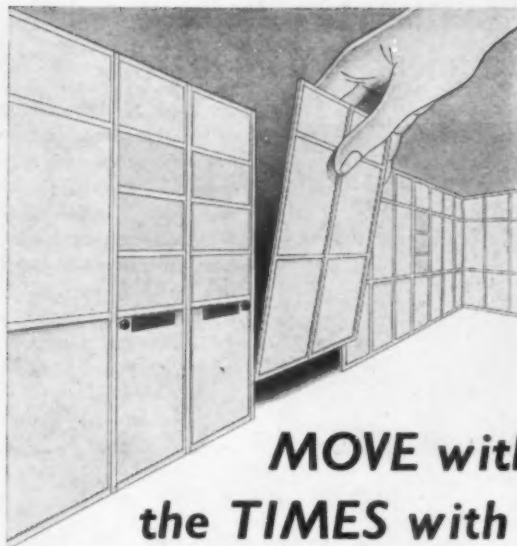
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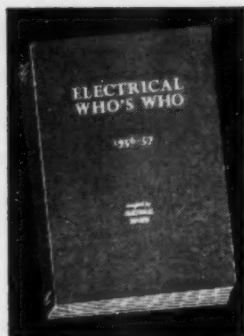
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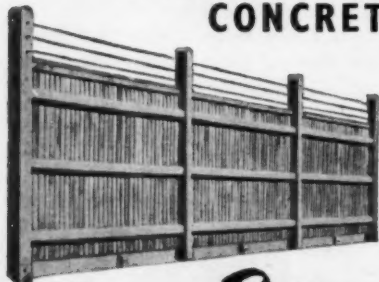
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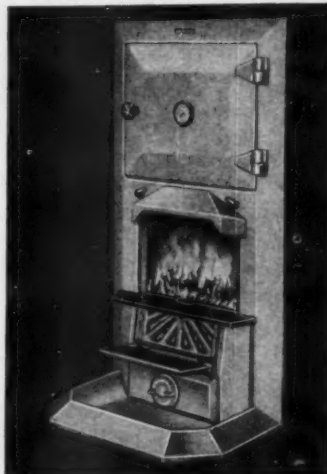
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The Second Ten Years

By 1975, it is anticipated that nuclear reactor power stations in Britain will have an aggregate installed capacity of between 10,000,000 and 15,000,000 kilowatts; and about half the national consumption of electricity will be derived from nuclear energy.

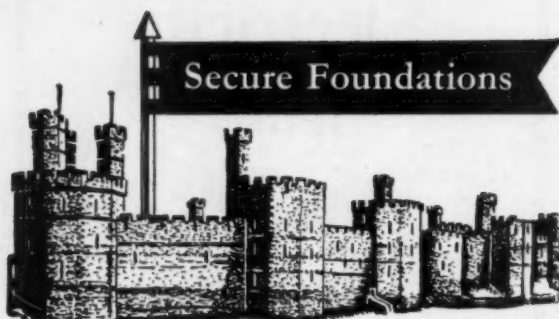


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Details and form of application from the Borough Education Officer, Kirkdale Road, Leytonstone, E.11, to whom they should be returned by WEDNESDAY, 9th May, 1956.

D. J. OSBORNE,
Town Clerk.

Town Hall,
LEYTON, E.10.
7th April, 1956.

[2236]

URBAN DISTRICT COUNCIL OF EAST BARNET

APPLICATIONS are invited for the following permanent appointments:—

- (a) Senior Assistant Architect — Grade A.P.T. IV (£710 to £885 per annum)
- (b) Assistant Architect — Grade A.P.T. III (£640 to £765 per annum)
- (c) Architectural Assistant — Grade A.P.T. II (£595 to £675 per annum)
- (d) Draughtsman (Architectural) — Grade A.P.T. I (£530 to £610 per annum)

All salaries will be increased by London Weighting of £20 to £30 per annum according to age.

Housing accommodation will be provided for appointments (a) and (b) if necessary.

Conditions of appointment and Forms of Application, returnable by May 7th, 1956, may be obtained from the Engineer and Surveyor, Town Hall, Station Road, New Barnet, Hertfordshire. [2195]

CITY OF MANCHESTER

HOUSING DEPARTMENT

APPLICATIONS are invited from suitably qualified persons for the following appointments: ASSISTANT ARCHITECTS — A.P.T. IV £710-£885 p.a. (Applicants must be registered Architects and Associates of the R.I.B.A.).

ARCHITECTURAL ASSISTANTS — "Basic Grade," £690-£840 p.a. (Applicants should have passed Parts 1 and 2 of the R.I.B.A. Final or Special Examination or their equivalent).

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Applications, giving particulars of age, qualifications and experience, together with the names of two referees, should be addressed to the Director of Housing, Town Hall, Manchester 2, to be received not later than May 15th, 1956. [2247]

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APPLICATIONS are invited for the post of LECTURER IN ARCHITECTURE. Applicants must have had not less than three years' practical office experience. Salary on a scale rising to £1,350 per annum with membership of F.S.S.U. and Children's Allowance Scheme; initial salary according to qualifications and practical experience. Applications should be sent not later than 9th May, 1956, to the Registrar, the University, Manchester 13, from whom further particulars and forms of application may be obtained. [2225]

APPOINTMENTS—cont.

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BOROUGH ARCHITECT'S DEPARTMENT

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Further particulars and application forms obtainable from and to be returned to The Borough Architect, The Council House, Corporation Street, Derby, not later than Monday, May 7th, 1956.

G. H. EMLYN JONES,

Town Clerk. [2243]

April 11th, 1956.

RESIDENT ARCHITECT required to supervise contract work in London and the Home Counties in connection with the Modernisation Plan. Successful applicant will be attached to the office of the Architect, Eastern Region, King's Cross Station. Applicants should have had experience of site supervision and should preferably be qualified. Salary range £770 to £835. Five-day week, concessionary rail travel, permanency with membership of superannuation scheme after probationary period. Apply in writing giving particulars of age, experience and any qualifications possessed to Chief Civil Engineer, Eastern Region, British Railways, King's Cross Station, London, N.1., quoting Post No. 1281. [2222]

BOROUGH OF WATFORD

APPOINTMENT OF SENIOR ASSISTANT ARCHITECT

APPLICATIONS are invited for the above post at a salary within Grade V A.P.T. (£795-£970 p.a.). Housing accommodation will be made available if required.

Forms on application, returnable by Friday, May 4th, 1956.

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April 12th, 1956.

[2257]

BOROUGH OF BURY ST. EDMUNDS

APPOINTMENT OF ASSISTANT ARCHITECT GRADE A.P.T. V

APPLICATIONS are invited for the above superannuable post in the Department of the Borough Engineer and Surveyor at a salary within Grade A.P.T. V (£795 - £970). Duties will include the design of new houses and other buildings; the supervision of a direct Labour Organisation constructing Council Houses; and the maintenance and upkeep of other Corporate Property. Consideration will be given to the provision of housing.

Applications, endorsed "Assistant Architect" and stating age, whether married, qualifications and experience, together with the names of three referees, to be delivered to the Borough Engineer and Surveyor at the address below not later than Saturday, 5th May, 1956.

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[2270]

APPOINTMENTS—cont.

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CITY ARCHITECT'S DEPARTMENT MANCHESTER

APPLICATIONS are invited for the following appointments on the permanent staff:

- (a) Senior Assistant Architect, Salary A.P.T. Grade V — £795 to £970 per annum. Applicants must be A.R.I.B.A. with several years' office experience.
- (b) Senior Assistant Architect, Salary A.P.T. Grade IV — £710 to £885 per annum. Applicants must be A.R.I.B.A.
- (c) Assistant Architect or Architectural Assistant, Salary Basic Grade — £690 to £840 per annum. Applicants must have passed parts 1 and 2 of the R.I.B.A. final examination or its equivalent and have had at least five years' experience including the period spent on theoretical training.
- (d) Architectural Assistant, Salary A.P.T. I/II — £530 to £675 per annum. Applicants must have passed the R.I.B.A. intermediate examination or its equivalent.

Further particulars and forms of application may be obtained from the City Architect, Box No. 488, Town Hall, Manchester 2. The completed form to be returned to the same address by 12th May, 1956. Canvassing is prohibited. [2278]

BOROUGH OF BARKING

DEPARTMENT OF THE BOROUGH ARCHITECT

APPLICATIONS are invited for the following appointments on the established staff:

- 1. Assistant Architect, A.P.T. IV — (£710 - £885 x five annual increments).
- 2. Assistant Architect, A.P.T. III-IV — (£640 - £805 x nine annual increments).

Plus London Weighting £20 - £30 per annum according to age.

Applications, stating age, qualifications, past and present appointments with details of experience together with the names of three referees, should reach the undersigned not later than 7th May, 1956.

E. R. FARR,

Town Clerk.

Town Hall,
BARKING, Essex.

[2277]

CORPORATION OF LONDON

require an

ASSISTANT in the CIVIC DESIGN SECTION of the

CITY PLANNING OFFICE

SALARY up to £824 19s. according to qualifications and experience.

Duties will include assistance in preparing three-dimensional layouts and models, as well as general draughting work; local authority experience not necessary. Preference given to those with sensitive and contemporary approach to design.

Applications, giving experience, age, salary required and references, to City Planning Officer, 55/61, Moorgate, E.C.2., within fourteen days. [2280]

APPOINTMENTS—contd.

COUNTY BOROUGH OF WEST BROMWICH

APPLICATIONS are invited for the following appointments:—

- Principal Architect. Salary Grade A.P.T. V — (£795 to £970).
- Assistant Architect. Salary Grade A.P.T. IV — (£710 to £885).
- Architectural Assistants. Salary Grade A.P.T. III — (£640 to £765) and II — (£595 to £675).

Housing accommodation may be made available for posts (a) and (b).

N.J.C. Conditions of Service.

Applications, naming two referees, to Borough Surveyor, Town Hall, West Bromwich, by 14th May, 1956. [2281]

CITY OF BELFAST, NORTHERN IRELAND

OWING to the large programme of architectural and engineering work envisaged for the City (population 449,000) opportunities arise for appointment to the undernoted technical posts in the Corporation's Services. Belfast has all the amenities of a large City added to which is its proximity to the sea and countryside.

Department of the City Surveyor: J. E. Anderson, B.Sc., M.I.C.E., M.I.Mun.E.

(a) Senior Engineers (Salary £1,100 x £37,100—£1,250).

Requirement—Extensive civil engineering experience, especially on the design and construction of steel framed and reinforced concrete structures including large tanks and culverts and bridges.

Qualifications—Corporate membership of the Institution of Civil Engineers or the Institution of Municipal Engineers.

(b) Senior Architects (Salary £1,100 x £37,100—£1,250).

Requirements—The person appointed should be capable of carrying through projects from sketch plans to working drawings and specifications; also giving a lead on incidental services and supervising the erection of the buildings, and having experience in, or be capable of, leading a group of Junior Assistants on large-scale projects if required to do so. (The work involved includes public baths, libraries, clinics, sports pavilions, welfare homes, in the form of new structures and alterations to existing buildings.)

Qualifications—Registered by examinations and with not less than 10 years' post-qualification experience.

(c) Engineer Class 1 (Salary £855 x £35—£1,100). Qualifications—Corporate membership of the Institution of Civil Engineers or the Institution of Municipal Engineers.

Department of the Housing Architect—J. W. Adamson, A.E.I.B.A., Dip.T.P., A.M.T.P.I.

(d) Architect Class 1 (Salary £855 x £35—£1,100).

Requirement—Experience in the design and planning of housing estates, particularly flats and ancillary buildings.

Qualifications—Registered and qualified by examination.

Department of the Education Architect—Donald A. Shanks, Dipl.Arch., A.R.I.B.A.

(e) Architects Class 1 (Salary £855 x £35—£1,100).

Requirement—Experience in modern school design (but previous Local Government experience not essential); enthusiasm for and ability in contemporary architectural design and construction.

Qualifications—Registered and qualified by examination.

(f) Architect Class 2 (Salary £550 x £30—£940).

Requirement—Possess enthusiasm for and ability in contemporary architectural design and construction.

Qualifications—Registered and qualified by examination.

(g) Architectural Assistants Class 1 (Salary £480 x £25—£730).

Qualifications—Intermediate examination of R.I.B.A.

The commencing salary in each case will be fixed according to the qualification, ability, and experience of the person appointed. Reciprocal pension arrangements exist between the Corporation and other public authorities.

Favourable consideration will be given in suitable cases to the recruitment, up to a limit of 50% of the removal expenses of newly appointed officers.

Canvassing will disqualify. Application forms and conditions of appointment are obtainable for each of the above posts from the Establishment Officer, City Hall, Belfast. Applicants should state the posts for which they wish to apply. Completed applications must reach the undersigned by the 9th May.

JOHN DUNLOP,
Town Clerk.

City Hall, Belfast,
P.O. Box 234,
18th April, 1956.

PUBLIC NOTICE

MR. Victor Wilkins (F) and Mr. W. H. Brant (L) have taken into Partnership Anthony Cook (A). The practice, formerly known as Victor Wilkins, will continue at 12, York Buildings, Adelphi, W.C.2, under the style Victor Wilkins and Partners. [2269]

TENDERS

CITY OF BIRMINGHAM HOUSING
MANAGEMENT DEPARTMENT

REINFORCED CONCRETE FENCING POSTS

THE Housing Management Committee of the Birmingham Corporation invites tenders for the supply and delivery of approximately 17,000 (seventeen thousand) 5 ft 6 in x 4 in x 4 in reinforced concrete fencing posts, to be supplied as required during a period of twelve months.

Forms of tender can be obtained from the undersigned at 19-23, Summer Row, Birmingham, 3, and should be returned by the 14th May, 1956.

J. P. MACEY,
Housing Manager.
[2275]

COUNTY BOROUGH OF SOUTHBEND-ON-SEA

SALE OF TIMBER

OFFERS are invited for approximately 32 standards of 2 in x 5 in and 22 standards of boards varying from 1 in x 6 in to 2½ in x 10 in of British Columbian Pine.

This timber can be inspected during normal working hours at the Corporation Sewage Works, Prittlewell, and further particulars and form of tender may be obtained from the Borough Engineer.

Sealed tenders, which may be for the whole or part of the stock, must be delivered in the envelope provided, endorsed "Tender for Timber" but bearing no name indicating the sender, to the office of the undersigned not later than 9 a.m. on the 21st May, 1956.

The Council do not bind themselves to accept the highest or any tender and right to apportion the offers is reserved.

ARCHIBALD GLEN,
Town Clerk.
[2282]

COUNTY BOROUGH OF BRIGHTON

NORTH WOODINGDEAN HOUSING ESTATE

TENDERS are invited for: THE ERECTION OF A BLOCK OF 4 LOCK-UP SHOPS WITH FLATS OVER ON THE ABOVE ESTATE.

Bills of Quantities and Forms of Tender may be obtained from the Borough Surveyor, Engineer and Planning Officer, 26-30, King's Road, Brighton, on or after 25th April, 1956, on receipt of a returnable deposit of £2/0/0.

Tenders are to be delivered to the Town Clerk not later than 12 noon on Monday, May 28th, 1956.

W. O. DODD,
Town Clerk.
[2284]

MISCELLANEOUS SECTION

RATE: 1/6d. per line, minimum 3/—, average line 6 words. Each paragraph charged separately.

BOX NOS. add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

PRESS DAY, Monday. Remittances payable to Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

No responsibility accepted for errors.

ARCHITECTURAL APPOINTMENTS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is excepted from the provisions of The Notification of Vacancies Order, 1952.

ARCHITECTURAL Assistant, Intermediate Standard, required in well-established Birmingham office. Salary £750 a year, good opening for keen man.—Box 1359, c/o A. & B. N. [2273]

BUCKINGHAMSHIRE firm of Architects within thirty miles of London, with a varied practice, require inter and junior qualified Architectural Assistants. House available. Five-day week. Salary according to age and experience.—Please write, giving full details, to Box 1357, c/o A. & B. N. [2266]

ARCHITECTURAL APPOINTMENTS VACANT—cont.

BUCKINGHAMSHIRE firm of Architects within thirty miles of London, with a varied practice, require qualified Quantity Surveyors. Five-day week. Salary according to age and experience.—Please write, giving full particulars, to Box 1358, c/o A. & B. N. [2272]

FIRM of Architects with established and growing practice require Senior Assistant Architect. Applicants should be between 25 and 35; qualified with office experience; quick and competent draughtsmen and capable of developing from sketch plan to completion in very general practice. Position will offer opportunity for junior partnership.—Percy, Hopkins & Partners, 19, Commercial Road, Woking, Surrey. [2261]

ARCHITECTURAL Assistants required to work in Wimbledon. Commencing salary £600 to £750 p.a. according to age and experience. Five-day week. Pension scheme. Lunch on vouchers.—The Coniston Company, Eagle House, High Street, Wimbledon, S.W.19, Wimbledon 8521. [2260]

KENNETH WAKEFORD, JERRAM AND HARRIS, of 7, Connaught Place, W.2, require two Architectural Assistants to carry out interesting and varied work.

Intermediate standard with previous office experience and

Junior preparing for Intermediate R.I.B.A. preferably with some previous office experience.

Please write stating particulars and salary required. [2258]

ARCHITECTURAL assistant required by London architects, W.C.1. Progressive post with opportunities for individual responsibilities and experience.—Apply in writing, stating age, experience and salary required, to Box 1154, c/o A. & B. N. [2236]

SENIOR experienced assistant required by London firm of architects, medium sized practice with a wide variety of good-class work. Initiative and individual responsibility encouraged.—Please apply in writing giving full details to Box 1155, c/o A. & B. N. [2237]

SCHERRER AND HICKS, 19, Cavendish Square, W.1. (Tel. Museum 1105) require immediately a number of architectural assistants with imagination and initiative. The work is varied and covers Research Laboratories, Offices, Housing and Schools. Five-day week. Salary by arrangement. [2235]

TWO Architectural Assistants required of Intermediate R.I.B.A. standard for work on contemporary industrial buildings. Good salary and plenty of opportunity for initiative. London office.—Write, giving details of salary, experience, to Howard, Souster & Fairbairn, 81, Piccadilly, W.1. [2233]

ARCHITECT'S Assistant required in Exeter office.—Write, giving experience and salary required, Box 0991, c/o A. & B. N. [2197]

ASSISTANT, intermediate standard, required.—Wimperis, Simpson & Fyfe, 61, South Molton Street, W.1. Mayfair 1277. [2021]

ASSISTANT, preferably qualified, with some office experience, for important work in London. Salary £700—£1,000 according to age and experience.—Box No. 0896, c/o A. & B. N. [2022]

QUALIFIED Assistant required for private office in West End. Some office experience an advantage, but not essential.—Box 0654, c/o A. & B. N. [2020]

ARCHITECTURAL Assistant required up to intermediate standard. Westminster office. Pension and Bonus Scheme. 5-day week.—Write, stating experience, age and salary required, to Box No. 0114, c/o A. & B. N. [2008]

QUALIFIED Assistant required immediately.—Apply in writing, stating age, details of practical experience and when available, to S. P. Jordana, A.R.I.B.A., M.S.T.A., Dip.T.P., 11, King's Road, Sloane Square, S.W.3. [2007]

ARCHITECTS' co-partnership require Qualified Assistant with experience.—Write: 44, Charlotte Street, London, W.1., or telephone Langham 5791. [2002]

LONDON office with contemporary ideas requires 14 several Assistants of Inter. standard. Good salaries for keenness and ability. Interest in interior design an asset.—John Beardshaw & Partners, A.M.B. 9685. [2286]

SITUATIONS VACANT

The engagement of persons answering these advertisements must be made through the local office of the Ministry of Labour and National Service, etc., if the applicant is a man aged 18-64 or a woman aged 18-59 inclusive, unless he or she or the employer is excepted from the provisions of The Notification of Vacancies Order, 1952.

APPLICATIONS are invited for the appointment of Clerk of Works. Salary according to experience. Contract period approximately one year commencing 16th May, 1956. Job involves supervising in Derby an Administrative Block valued at £32,000. Applications, together with either copies of two recent testimonials or the names and addresses of two referees, must be submitted not later than Monday, 7th May, 1956.—Box 1337, c/o A. & B. N. [2266]

SITUATIONS VACANT—cont.

QUANTITY Surveyor required for large Building Contract in the Birmingham area. Capable of working on own initiative on Site with Head Office supervision. — Write, stating age, experience and salary required, to Box No. 1068, c/o A. & B. N. [2218]

DESIGNER required for general industrial building and civil engineering at large factory in North Midlands. Age up to 40. Experienced factory building design, surveys, roads, drainage, reinforced concrete and steel structures. Some architectural experience useful but not essential. This appointment carries a good salary, is pensionable and, if necessary, assistance with housing will be given. — Write in confidence, stating age, qualifications and experience, to EP Dept., Michelin Tyre Co. Ltd., Stoke-on-Trent. [2268]

ASSISTANT Architect required for important work in London, 5-day week, salary £600-£800. — Robinson & Bull, 3, Gray's Inn Square, CHANCERY 7751. [2264]

DRAFTSMAN/DESIGNER. Experienced in shopfitting an advantage. Interesting work. Commencing salary £600 to £800 p.a. according to qualifications. — Ring Mr. Cavill, CAN. 2456. [2283]

SITUATION WANTED

ARCHITECT desires change — free-lance work or post of responsibility, N.E. area or anywhere with accommodation. — Box 1356, c/o A. & B. N. [2274]

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SURVEYS: Sites and Buildings. — Allerton Studios, 14, Maley Avenue, London, S.E.27, Gipsy Hill 3782. [10097]

WORK REQUIRED

ASSISTANT Architects will accept all kind of jobs. Perspectives, projects, interior decorations, and everything concerned with Architecture. — Write: Navaliga, 35, Collingham Road, S.W.5. [2263]

FRENCH polishing, all types. Best work by experienced men at reasonable price. Estimates free. Satisfaction assured. — A. W. Marker, 10, Gillium Close, East Barnet. ENT 6437. [2183]

FOR SALE

"CAN-TILE" liquid floor coating for canteens, hospitals, shops, factories, toilets. Cost 20% of lino. Write: Dohm Ltd., 167, Victoria St., London, S.W.1. [2259]

JOINTLESS composition flooring in attractive colour range—quotations free. — Full particulars from the Liotex Asbestos Flooring Co. Ltd., 3, Corbetts Passage, London, S.E.15. (Dept. A), Bermondsey 4341-2-3. [0142]

ALL hardwood mouldings, plain and embossed, embossed ornaments and dowels, send for catalogue and today's lowest trade prices. — Dairey's Moulding Mills, Ltd., 66, Pownall Road, Dalston, E.8, CH'old 1543/4. [0142]

HARDWARE Walling Stone and Pitching delivered or collected from quarries at Fish Hill, near Broadway, Wores., and Hornsicasow, near Bourton-on-the-Hill, Glos. — Apply to Ballie, Brind & Co., Ltd., Prudential Chambers, Banbury, Oxon. [0082]

RECONDITIONED ex-Army Huts & Manufactured Buildings, Timber, Asbestos, Nissen Type, Hall Type, etc. All sizes and prices. — Write, call or telephone, Universal Supplies (Belvedere) Ltd., Crabtree Manorway, Belvedere, Kent. Tel. Erith 2948. [0005]

BLISTER Hangers, several for sale, with R.S.J. ends at attractive prices for quick sale. — Mole and Bray Ltd., Stourport-on-Severn. [2206]

SEARCH Jin. "Mud Marvel" Lift and Force Portable MUD PUMPS. Air-cooled Lister Diesel. Originally manufactured for our hire fleet, are now available for general sales. — WM. G. SEARCH, LTD., Whitehall Road, Leeds. Tel: 639081. [2227]

FOLDING Screen, 25 feet span, 10 feet high, in 10 panels Oregon Pine; brass hinges, Coburn rail and runners. — Apply Simmons, 72 Prince Ave., Southend-on-Sea. Tel: Southend 45964. [2285]

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BAILEY-STRATTON HOUSES LIMITED invite applications from responsible firms of builders and contractors to act as building agents for the Bailey-Stratton system of construction. — Apply in the first instance to: Bailey-Stratton Houses Ltd., Windsor House, 83, Kingsway, London, W.C.2. [2262]

AGENTS WANTED—cont.

AGENTS and/or Distributors in Eastern Areas of England having existing live connections with Architects, Local Councils and large Public Authorities and Contractors, required by Manufacturers of highest quality, medium priced Flush Doors. Closed territory considered. — Box 1339, c/o A. & B. N. [2267]

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EXPORT, PETALON LIMITED is an overseas marketing organisation within the Coming Group of Companies, and with its associated company Dexion Limited, it has over 90 overseas distributors. Petalon Limited are interested in undertaking the overseas marketing of additional products in the building and construction fields. Cladding materials for Dexion frames are in immediate demand but all new or established products will be considered — Petalon Limited, 65, Maygrove Road, Kilburn, London, N.W.6. Telephone No. KILburn 0191. [2248]

FINANCE

BUILDING FINANCE arranged. — Full details, apply: Wilton, Mead & Co., F.A.I., 1/3, High Street, Maidenhead. Tel: Maidenhead 111. [2276]

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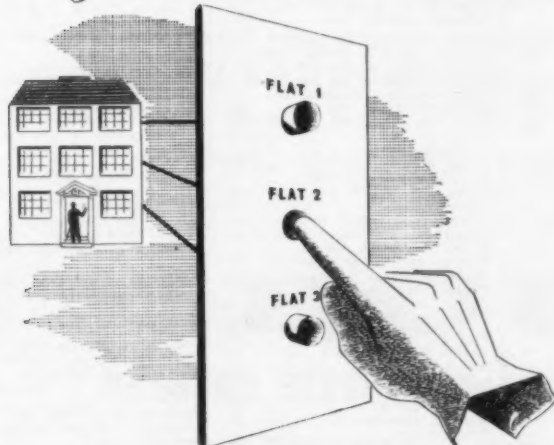
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MISCELLANEOUS

P.H. Plumbing and Heating. — 90, Albert Street, London, N.W.1. GUL 7422, TUL 4579. [2230]

LET US BLAST THOSE TREE ROOTS and do your SITE CLEARING. — F. G. FLEMING AND CO., New Road, Northchurch, Herts. Tel: Berkhamsted 1239. [2228]

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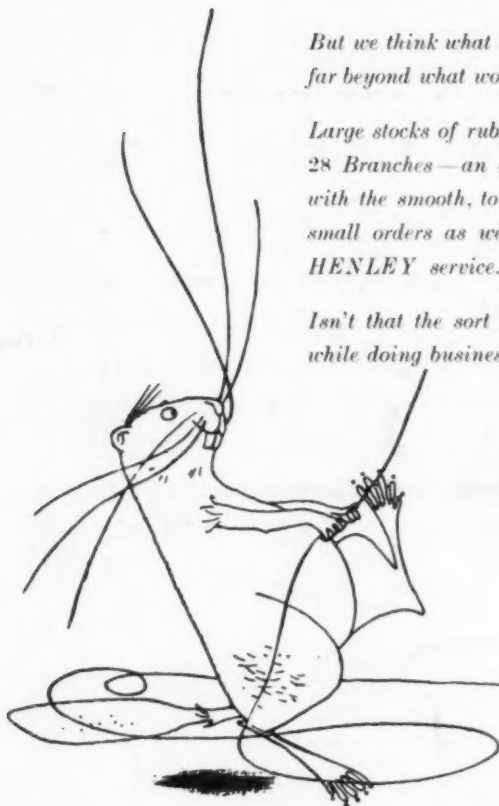
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